

SUSSEX FLORA

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FLORA OF SUSSEX,

OR

A LIST OF THE FLOWERING PLANTS & FERNS
FOUND IN THE COUNTY OF SUSSEX,

WITH

LOCALITIES OF THE LESS COMMON SPECIES.

New Edition, with numerous additions.

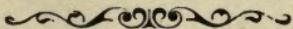
BY THE LATE

REV. F. H. ARNOLD, M.A., LL.D., F.S.A.

*Rector of Racton; Ex-President of the Chichester
and West Sussex Natural History Society; Author
of Sussex Botany in the Victoria History of the
Counties of England.*

ILLUSTRATED BY MARIAN H. ARNOLD.

“Hast thou the flower there? Welcome, wanderer.
Ay, there it is.”
—*Midsummer Night’s Dream.*



LONDON :
SIMPKIN, MARSHALL, HAMILTON, KENT AND CO., LTD.

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*"I would I had some flowers of the spring, that might
Become your time of day; and yours, and yours,*

—O Proserpina,

*For the flowers now, that, frightened, thou lett'st fall
From Dis's waggon! daffodils,*

*That come before the swallow dares, and take
The winds of March with beauty; violets, dim,
But sweeter than the lids of Juno's eyes,
Or Cytherea's breath; pale primroses,
That die unmarried, ere they can behold
Bright Phœbus in his strength,—a malady
Most incident to maids;—bold oxlips,*

—O these I lack

To make you garlands of."

—WINTER'S TALE.

PREFACE TO SECOND EDITION.

After an interval of nearly twenty years, I have been asked to issue a new Edition of my "Flora." Since that time I have, year by year, entered in my note book many fresh localities, and added a considerable number of species and varieties. I have also been aided by several lists of plants observed both in West and East Sussex, so that I am enabled to bring this Edition up to date, and suited to the requirements of the present day. I would here first protest against the growing practice of including in our lists many foreign species, and thus causing confusion. Not only garden escapes are admitted, but the sweepings of corn and oil mills, of stores containing hay seeds, also where foreign grain is landed, and even rubbish heaps are ransacked, with the view of coming upon aliens, some of which are by no means desirable ones. Such species are usually non-permanent, our climate being uncongenial, and I exclude them altogether.

NOTE.—The Preface to this Second Edition was dictated to me by my father on April 24, the morning of the day on which he was seized with paralysis, and he died on May 4, 1906.

MARIAN H. ARNOLD.

*Hermitage, Westbourne,
March, 1907.*

PREFACE TO FIRST EDITION.

WHILE many of our English counties are furnished with local Floras, and the adjoining counties of Surrey and Hampshire have had their botany described, Sussex has hitherto been without a separate guide to its Wild Flowers, although it is one of the richest botanical districts in Great Britain.

The object of this work is to endeavour to supply a want which, long experienced by myself, may also have been felt by others.

As I have studied the plants of my native county for more than a quarter of a century and have been greatly assisted by the best authorities in the several districts, I venture to hope that the following list is a reliable, although of course an imperfect one; and would here express my thanks to all those who have so kindly aided me in various ways, whose names are elsewhere mentioned.

In the ensuing pages brevity has been sought as much as possible, with a view of making this Flora, as compared with those of other counties, a less expensive one, especially since the study of botany is now becoming a recognised factor in education. When a plant is common and generally distributed, I therefore depart from the usual method of giving habitats for it; but when rare or requiring special notice, the localities of both early and recent observers are recorded. Should others receive delight similar with my own, in investigating the floral treasures of Sussex, this attempt to direct their excursions will be well repaid.

F. H. ARNOLD.

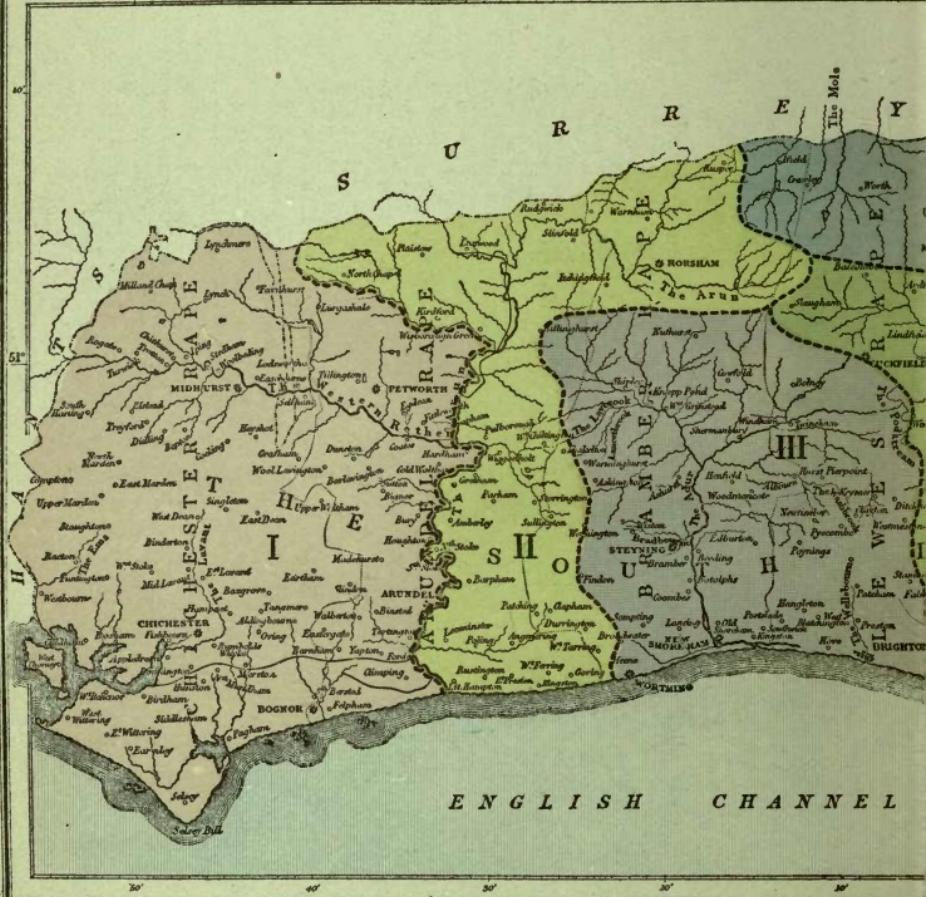
*Hermitage, Westbourne,
March, 1887.*

*"Among the manifold creatures of God, that haue all in
all ages diuersly entertained many excellent wits, and drawne
them to the contemplation of the diuine wisdome, none haue
prouoked mens studies more, or satisfied their desires so much
as Plants haue done, and that vpon iust and worthy causes:
For if delight may prouoke mens labor, what greater delight is
there than to behold the earth apparelled with plants, as with
a robe of embroidered worke, set with Orient pearles, and
garnished with great diuersitie of rare and costly iewels?"*

—GERARDE, 1597.

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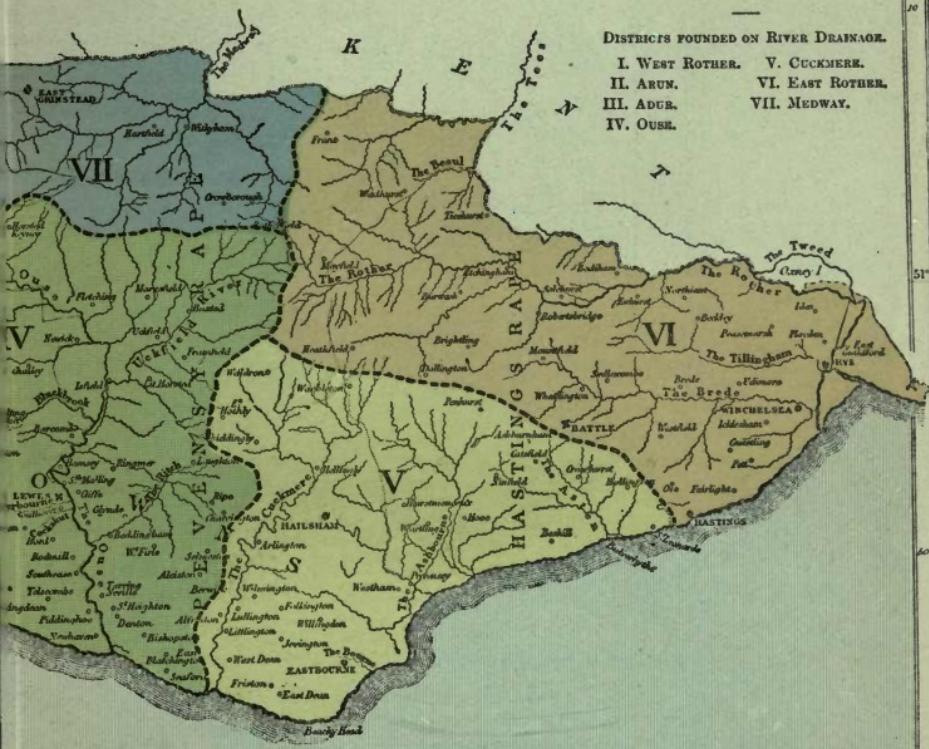


SUSSEX.

REDUCED FROM THE ORDNANCE SURVEY.

DISTRICTS FOUNDED ON RIVER DRAINAGE.

- | | |
|-----------------|------------------|
| I. WEST ROTHER. | V. CUCKMERE. |
| II. ARUN. | VI. EAST ROTHER. |
| III. ADE. * | VII. MEDWAY. |
| IV. OUSE. | |



INTRODUCTION.

SUSSEX, one of the six southern maritime counties of England, lies between $0^{\circ} 40'$ E. long. and $0^{\circ} 58'$ W. long., and between $50^{\circ} 43'$ and $51^{\circ} 9'$ N. lat. It is bounded on the west by Hampshire; on the north, north-east, and east by Surrey and Kent; and on the south by the English Channel. Its extreme length, in a straight line from Lady Holt Park on the west to the end of Kent Ditch on the east, is 76 miles, while its extreme breadth, in a cross line from Tunbridge Wells on the north to Beachy Head on the south, is 27 miles. The coast line, following the indentations, is nearly 90 miles. The area of the county is about 934,856 acres.

ELEVATIONS.—The South Downs enter Sussex from Hampshire and run in a S.E. direction to Beachy Head; their mean altitude is about 500ft. above the level of the sea. The highest ground is Black Down Hill, 918ft. Ditchling Beacon is 813ft., Firle Beacon is 718ft., Chanctonbury Hill is 783ft., Bowhill and Roche's Hill are 702ft., and Beachy Head 582ft. The Wealden Heights, in the northern part of the county, extend from St. Leonard's Forest into Kent, where they join the North Downs. From Ashdown Forest an offshoot from this range runs S.E. and ends in Fairlight Down. The ridge of the Weald attains its greatest height at Crowborough Beacon, 792ft. Brightling Down is 600ft., and Fairlight Down 500ft.

CLIMATE.—As regards climate, the Downs divide the county into two districts, "the coast or insular having an equable climate, an average humidity, a small daily variation of temperature and a smaller rainfall; and the inland, or continental, with an extreme climate, greater daily ranges and a larger rainfall." According to Mr. C. L. Prince's observations made at Uckfield during twenty-eight years, the average rainfall may be stated as about 29·38 inches, and the prevailing winds as south-west, west, and north-east. The mean temperature he gives as about 50·6,

which corresponds with the more recent records of the Meteorological Office. The mean temperature of the soil at 9 a.m., one foot below the surface, at Worthing, in 1884, was 52·6, and in 1885, 50·8. The Kew records, showing the amount of bright sunshine in the South of England, and which may be taken as approximately correct for Sussex, give an average for 1880-5 of about 1,468 hours per annum, an unusually large percentage, which, as influencing vegetation, is of much interest.

GEOLOGY, SOIL, AND SUBSOIL.—The strata of Sussex may be briefly stated as belonging chiefly to the Secondary formations, comprising the Chalk, with flints and without, the Chalk Marl, Upper Greensand, Gault, Shanklin or Lower Greensand, Weald Clay, Hastings Sands and Clays, Tilgate Forest strata and Ashburnham Beds; the Tertiaries, including Clay, Plastic Clay, and London Clay, which appear only on the coast in the south-western extremity of the county and in a few other isolated spots; and Alluvial deposits, consisting of Diluvial and Alluvial débris, which occur in the river valleys and bogs. In considering the soil and subsoil with respect to the distribution of plant species, we have those of the Downs, with a considerable tract of moor, sandy-heath, and bog land at the foot of their northern escarpment; the Weald, with its extensive woods and forests; the Forest Ridge; a considerable amount of Marsh land; and a long Maritime district of varied character. Sussex, therefore, presents to the botanist a diversified field for exploration. From Cooper's excellent remarks on the Botany of the County, in the "Appendix to Horsfield's Sussex," the following summary is chiefly taken. *The Downs*, which on the N. are steep and abrupt in the direction of the Weald, descend on the S. with a gentle declivity; they vary from four to six miles in width. Their summits are usually covered with a shallow layer of turf on a thick covering of flints, the substratum being chalk. With the exception of the hangers on their northern slope, they are in general little wooded. On the hill sides the soil becomes deeper and more suitable for tillage. To the W. of the Arun the soil above the chalk is of a gravelly nature; between the Ouse and the Adur the substratum is a reddish sand. From Eastbourne to Shoreham the average depth of the soil above the chalk is not more than four or five inches; from this westward through Arundel to Hampshire, it

gradually gets deeper. *The Weald*, anciently an immense forest, part of the Anderida of the Romans, and still well wooded, is an extensive vale occupying the centre of the south-eastern part of the county. Its breadth is from five to ten miles and its length from thirty to forty miles. It is composed of clay, sand, and limestone, and is comparatively of low elevation. *The Forest Ridge*, which contains St. Leonard's Forest and Ashdown Forest, is that portion of the county which, uniting with the Weald, forms the north-easterly division, stretching from Fairlight Down by Crowborough to St. Leonard's Forest, and terminating gradually in the western part of the county, in the angle formed by the sand hills of Petworth on the one side, and by Black Down, and Leith Hill in Surrey, on the other. It is composed of the more elevated portions of the sands and sandstones. Its ridges are for the most part crested with forests or overgrown with underwood. The soil consists of a sandy loam or iron sandstone, or of a poor black vegetable sand upon a soft clay marl; it is for the most part exceedingly barren. *Marsh and Bog Land*.—The Marsh land extends across the county eastward from Eastbourne into Kent. Portions also exist on the borders of the rivers Ems, Lavant, Arun, Adur, Ouse, and Cuckmere. Of Pevensey Levels, which lie upon a heavy black silt, Mr. Roper observes, that "they form an extensive flat, scarcely raised above the sea level, intersected in all directions with dikes and ditches, extending for nearly seven miles along the shore of Pevensey Bay and running for about six miles inland. Formerly a mere marshy swamp, they are now extensively drained and afford excellent pasturage for cattle." Drainage has also greatly reduced the marsh land adjacent to the Sussex rivers. Of the boggy districts some of the most notable are Chailey Common, Chiltington Common, and Amberley Wild Brooks, the latter are an immense tract for a county like Sussex. Vegetable mould there first appears and then from four to five feet of peat on a dark blue silt or clay. These quaking bogs often place the botanist in a dilemma; but it has been observed that where *Comarum palustre* denotes unsafe ground, *Carex flava* shewes secure footing. *The Maritime District*.—The soil towards the shore, especially in the Manhood, is for the most part of a rich loam of remarkable fertility. From Brighton to Pevensey Bay, and again from Bexhill to Bulverhythe, and

from St. Leonards to Fairlight, there are cliffs. The coast is generally beach, bordered by long ridges of shingle or loose stones thrown up by the waves. The line of shingle between Worthing and Shoreham is very strongly marked; there *Trifolium stellatum* is well established, and *Vicia lutea* occurs with other rare species. Owing to the encroachments of the sea, however, many well-known localities for plants, as notably, Pilsey Island, are fast disappearing, and the coast line at Bognor, Brighton, Newhaven, and elsewhere, is undergoing considerable change.

BOTANICAL DISTRICTS.

Watson in his Topographical Botany defines the county as the E. Channel sub-province, and separates it into W. and E. Sussex by a line traced along the high road from Brighton to Cuckfield, thence by Crawley to the border of Surrey. The botanical districts here adopted are founded on the river basins. With some slight modifications the boundaries are the same as those traced by Mr. Hemsley, which were carefully considered. They are as follows:—

I. WEST ROTHER.—This district comprises the westernmost part of the County, bounded to the E. by a stream from the Surrey border, which flows by Shillinglee, Kirdford and Wisborough Green into the Arun, thence along the W. bank of the Arun to the sea. It is drained, N. of the Downs, by the West Rother, a tributary of the Arun which it joins near Pulborough, and S. into the Channel by two independent streams, the Ems and the Lavant. This portion of the county has been well explored during the last fourteen years by the Members of the Chichester and W. Sussex Natural History Society, and many interesting additions have been made to its Flora.

II. ARUN.—West Rother boundary to the W. Eastern boundary, commencing at the Surrey border, through Roughay Street, across St. Leonard's Forest, by Stone Lodge and Colgate to Pease Pottage Gate, thence south to Handcross, westward over Plummer's Plain to Monks' Gate, across country to the junction of the railways near Plumtree Cross, on to Bashurst and Ludwick, taking the main road to Billingshurst, then leaving it again and crossing the railway to the east of the station on to Coneyhurst, Broadford Green, Chiltington, Thakeham, skirting Heath Common, through

Washington, Highden, Findon, West Tarring, and Heene to the sea, a little west of Worthing. There is perhaps a greater diversity of soil in this district than any other. It includes the greater part of St. Leonard's Forest, and stretches across the country in its widest part. It is drained by the Arun and a few tributary rivulets. This district has also been explored, although less fully than the former, by the West Sussex Society.

III. ADUR.—Arun boundary from the sea to Plummer's Plain, thence Ouse boundary to Rottingdean and the sea, a little E. of Brighton. Drained by the Adur, whose eastern and western waters coalesce about a mile and a half W. of Henfield, and by its numerous tributaries. Wm. Borrer who resided at Henfield, thoroughly examined this district, and most of his herbarium specimens were collected here. In addition we have Mrs. Merrifield's very reliable and pleasantly written "Sketch of the Natural History of Brighton," with a list of flowering plants contributed to it by Mr. W. Mitten, of Hurstpierpoint.

IV. OUSE.—Cuckmere boundary to Cross-in-Hand, East Rother boundary from there to Castle Hill, near Rotherfield, then turning westward across the ridge of the Weald to Sand Hill, Stone Cross, Crowboro' Gate, Duddleswell Gate, Sweet Mine Pits, Nutley Hill, Charlwood, Charlwood Gate, Wych Cross, Cold Harbour, Tynes Cross, West Hoathly, Turner's Hill, Half Smock, across Balcombe Down and Highbeech Warren to Handcross, thence on to Plummer's Plain, turning S.E. past Eastland's Farm, Slut House Farm, Warninglid, Slough Green, and Whiteman's Green to Cuckfield, Butler's Green, over the Tunnel at Haywards Heath, taking the road to Wivelsfield by way of Westwood to Ditchling and Westmeston, striking the Downs E. of Ditchling Beacon to Falmer, Newmarket Hill and Rottingdean. Drained by the Ouse, which has a larger catchment basin than any other river in the county, and by its tributaries, the Uckfield River, the Black-brook, and the Ritch. This District has been well worked out by Mr. W. C. Unwin, Mr. J. H. A. Jenner, and other members of the Lewes and East Sussex Natural History Society.

V. CUCKMERE.—E. Rother boundary to Cross-in-Hand, thence W. of Passingworth Woods to Hawkhurst Common, East Hoathly, Stone Cross (to the W. of Vert Woods) across the Dicker to Berwick, Alfriston, and Chinting, thence to

the signal house on the coast W. of Cuckmere Haven. The drainage of the western and largest part of this district is effected by the Cuckmere, which has two principal streams, uniting at Hellingly. An independent stream, the Ashburn, drains the eastern portion and reaches the sea near the Red House at Pevensey. This district has been thoroughly investigated by the Eastbourne Natural History Society, and the result published by F. C. S. Roper, Esq., in his "Flora of Eastbourne," with several Addenda. To him I am greatly indebted for information frequently given and extending to the present time.

VI. EAST ROTHER.—Starting from the coast, Kent boundary to Tunbridge Wells thence by road skirting Eridge Park and Blackthorn Hill to Rotherfield on to Butcher's Cross, Five Ash Down to Cross-in-Hand, then main road to Burwash as far as east side of Heathfield Park, through Cade Street, Punnett's Town, Turner's Green, Collier, Dallington, Netherfield Green, thence to Battle by the high road dividing High Wood between Beauport and Crowhurst Parks, and through Hollington to the E. of St. Leonards. It is drained by the E. Rother and two small independent streams, the Tillingham and the Brede, flowing from the westward, which meet the estuary of that river near Rye. This district has been carefully explored and its botany published by the Hastings and St. Leonards Philosophical Society. To the Rev. E. N. Blomfield, Guestling, the author of the "Flora of the E. Rother district," I owe many thanks both for his MS. notes and lists of "finds" up to 1887.

VII. MEDWAY.—Bounded by Surrey and Kent to the N., E. by the Rother, S. by the Cuckmere and Ouse, leaving the Ouse district at Handcross, northward to Pease Pottage Gate, then westward across the Forest to Colgate, Stone Lodge, then bearing N.E. to Roughey Street, E. of Rusper to the Surrey boundary. Drained by the Medway, which, originating in Sussex from a number of little streams, becomes the boundary between Kent and Sussex, and runs into the German Ocean; and by the Mole, an independent river which has its chief sources on the N. side of the Forest Ridge, and passing into Surrey, joins the Thames near Hampton Court. To part of this district there is a guide in E. Jenner's "Flora of Tunbridge Wells and the surrounding Country"; also notices of the plants in the Forests by several observers, in "The Phytologist"; and records of

those of East Grinstead, by the Rev. W. H. Coleman. The Medway district, however, has been the least thoroughly examined.

HISTORY OF SUSSEX BOTANY.

The earliest mention of plants, with their localities in this county, with which I am acquainted, occurs in the "Herball or General Historie of Plantes, by John Gerarde, very much enlarged and amended by Thomas Johnson," 1633. In this, the Sea Holly is recorded as found by the writer growing plentifully at "Rie and Winchelsea," and the "Rocke Sampier" at "Winchelsey by Rie." He also gives a figure, without locality, of the Spiked Rampion, now met with in Sussex only, well describing it as "bearing at the top of the stalke a great thicke bushy eare, full of little long floures, closely thrust together like a Fox taile." In 1640 appeared "Parkinson's Theatrum Botanicum," which gives the earliest account of *Dentaria bulbifera* as a native of Britain. "This," he says, "hath been found in our land at Mayfield, in Sussex, in a wood called Highreede, and in another wood there called Foxholes, both of them belonging to one Mr. Stephen Perkhurst, at the writing hereof."

John Ray, who in 1690 published his "Synopsis Methodica Stirpium Britannicarum," which has been styled by Smith "the foundation of every subsequent English Flora," visited Sussex several times, and in a letter to Mr. Courthope, of Danny, April 28, 1662, thus mentions his observations: "After you parted from us at Cuckfield, I discovered growing about there *Anagallis aquatica surrectior*, J.B.; *Cardamine impatiens*, a different sort from that we sowed in our gardens; *Pilosilla siliquosa Thalii*; *Astragalus sylvaticus Thalii*; *Bulbocastanum*; *Gramen nemorosum hirsutum*, and another pretty sort of grasse." What these species were it would be difficult to determine now. In his "Catalogus" he speaks of the "Wild Black Hellebore or Bear's foot" as being then said to grow about Arundel Castle, where it is still found, and in his "Synopsis" mentions it again as "growing upon the Downs in Sussex, towards Chichester, along the road," thus affording early testimony to its presence in the county. To "Gibson's ed. of Camden's Britannia," 1695, the plant list was contributed by Ray. It mentions *Peucedanum officinale*, Hog's Fennel, as growing "in the marsh ditches about

Shoreham," of which there is no recent record; *Fæniculum vulgare*, Common Fennel, in "Pevensey Marsh"; *Œnanthe crocata*, Hemlock Water Dropwort; *Lathyrus sylvestris*, Narrow-leaved Everlasting Pea, "I found this first near Poynings"; *Chamaedrys spuria*, "Wild or Bastard Germander," "at Cockfield, Sussex"; and *Filix saxatilis crispa*, "Small-branched Stone Fern," of which he says, "I observed this first, growing on the rocks by the seaside in this county, where it was sometimes dashed by the sea water." This was probably *Asplenium marinum*, which Gerarde describes as "the Female dwarfe Stone Ferne," perhaps now extinct in Sussex. In Dillenius' third edition of Ray's "Synopsis," 1724, a considerable number of Sussex plants are given.

Of Sussex botanists of the present century the most eminent has been William Borrer, who was born at Henfield, in 1781, and whose knowledge of the plants of his native county was probably unequalled. His ardour in this pursuit began in early life. His brother mentions "that he did not remember the time when he was not enthusiastic in his love for flowers and in his admiration of the vegetable world in general, so that there was no muddy ditch, no old wall, no stock of a tree, no rock or dell, no pool of water, or bay of the sea, that did not add to his delight and open to him a wide field for investigation and enjoyment." He first noticed *Isnardia palustris* as a British plant in a pool at Buxted, in 1827, and *Leersia oryzoides* was first discovered by him in Henfield Levels. Many other species were also noted by him, for the first time, as growing in Sussex. As an authority on the Rubi, Rosæ, and Salices, the most difficult genera in our Flora, he ranks among the highest. He resided at Henfield, and continued his favourite recreation for more than half a century, dying in 1862. It is much to be regretted that he published scarcely anything in his own name in a separate form, although he was a constant contributor to the scientific journals of his day. "The Old Botanist's Guide," by Turner and Dilwyn, 1805, afforded a list of rarer Sussex plants, with localities, chiefly by Borrer; but containing some by Goodenough, Forster, and J. Woods. Watson's "New Botanical Guide," 1835-37, has many additions by Rev. G. E. Smith, Sir W. C. Trevelyan, Dr. W. A. Bromfield, Rev. W. H. Coleman, and others. To "Horsfield's History of Sussex" (1835), Mr. T.

H. Cooper, in a supplement, appended good lists of the less common plants, especially as regards their geologic and climatic distribution. In 1875 Mr. W. B. Hemsley, who had previously contributed several papers on the subject to the "Journal of Botany," published in an appendix "An outline of the Flora of Sussex" of great value, as showing the occurrence of species in the various districts; and in 1883 appeared "Watson's Topographical Botany," which enumerates the plants of E. and W. Sussex. These are the chief works relating to the Botany of the county in general. The district Floras have already been referred to, and as supplementary to these, much information occurs in various Botanical periodicals, and in the Reports of the proceedings of the several Sussex Natural History Societies.

RARE SPECIES PECULIAR TO CERTAIN DISTRICTS.

W. Rother—*Cochlearia anglica*, *Lepidium latifolium*, *Dianthus prolifer*, *Silene conica*, *Arenaria tenuifolia*, *Astragalus glycyphyllos*, *Geum rivale*, *Sedum dasypodium*, *Rubia peregrina*, *Dipsacus pilosus*, *Inula crithmoides*, *Campanula rapunculus*, *Paris quadrifolia*, *Ornithogalum pyrenaicum*, *Epipactis media*, *Cephalanthera ensifolia*, *Spartina stricta*, *Polypogon monspeliensis*, *Cystopteris fragilis*, *Polypodium Robertianum*. *Arun*—*Callitricha truncata*, *Pyrola media*, *Myosotis sylvatica*, *Carex elongata*, *C. teretiuscula*, *Calamagrostis lanceolata*. *Adur*—*Tilia grandiflora*, *Trifolium stellatum*, *Vicia lutea*, *Caucalis daucoides*, *Atriplex rosea*. *Ouse*—*Eranthis hyemalis*, *Thapsi perfoliatum*, *Isnardia palustris*, *Euphorbia pilosa*, *Habenaria albida*, *Leucojum aestivum*. *Cuckmere*—*Fumaria muralis*, *Malva borealis*, *Saxifraga granulata*, *Bupleurum aristatum*, *Lactuca saligna*, *Phyteuma spicatum*, *Amaranthus Blitum*, *Potamogeton plantagineus*, *Scirpus uniglumis*. *East Rother*—*Medicago minima*, *Hippophae rhamnoides*, *Festuca ambigua*. *Medway*—*Asplenium lanceolatum*.

Phyteuma spicatum is perhaps the only British plant peculiar to Sussex. *Scirpus carinatus* and *S. triquetus* appear to be confined to the banks of the Arun. Some of the above species may probably hereafter be met with in other districts. An analysis of the Flora, as regards the geographical distribution of species in the county, would occupy more space than can here be given. Of the 1680 species in the "London Cat.," 7th ed., 1135, with 12

additional, making a total of 1147, are recorded in the following pages. These include almost all those which Watson, in his "Cybele Britannica," classifies as of the British type, 285 of the English type, 64 of the Germanic type, and 16 of the Atlantic type. As to the origin of our Flora it has been conjectured, with much probability, that at some former period England was united with the Continent, and by this means the bulk of our plants came hither from central Europe; thus, migrating from the eastward, our Flora would be first established on the coast of Kent, and tend to radiate from the point first reached. It has been observed that the Flora of East Sussex more closely resembles that of Kent than that of Surrey; and the list in the Appendix shows that Hants has more plants absent from Sussex than either of the other adjoining counties.

SOURCES OF INFORMATION, WITH ABBREVIATIONS.

In the following list are given the names of the principal contributors who have furnished localities, and the works on Sussex Botany consulted, with the abbreviations made use of.

- W.H.B.* Beeby, W. H., F.L.S. Habitats of rare species, in several districts.
- B.* Bloomfield, Rev. E. N. Cat. of plants in the "Natural History of Hastings and St. Leonards and the vicinity," 1878, with Supplement, 1883. Also MS. notes on the Flora of the E.R. district, to the present date.
- Bor.* Borrer, W., F.L.S. Various published information. Herb. at the Royal Herbarium, Kew, and Sussex plants in my herbarium, given to H. Collins, Esq., and Rev. A. Fuller, collected by him.
- R.W.B.* Boyce, R. W. Plants observed nr. Bognor, 1886.
- Hb. B.* Brocas, F. Y. Brighton Wild Flowers (Herbarium), and other Herbaria in the Brighton Museum.
- S.B.* Butcher, Mrs. S. Notes on Worthing Plants.
- W.H.C.* Coleman, Rev. W. H. MS. Cat. of E. Grinstead Plants, obs. 1836 (Kew).
- Hb. C.* Collins, H. (late). An excellent Herbarium containing many Sussex plants, chiefly collected in the W.R. district, with others sent him by his friend Borrer.

- Bot. Sus.* Cooper, T. H., F.L.S. Botany of Sussex, in an Appendix to Horsfield's History of Sussex, 1835. Much of the information therein was communicated by Borrer and Rev. G. E. Smith.
- E.H.D.* Daniell, E. H. List of plants observed nr. Aldingbourne, Goodwood, and other places in the W.R. district, 1885.
- R.D.* Deakin, Dr. R. The flowering plants of Tunbridge Wells and its neighbourhood, 1871.
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For the purpose of this work, most of the Southern County Floras have been examined, and for the identification of species and varieties I have mainly relied on "English Botany, ed., J. T. Boswell Syme, Edition III., 1863-72," with its addition of the Cryptogams, 1886; and on Hooker's Student's Flora.

PLAN OF THE FLORA.

In the arrangement and nomenclature I have followed the 7th ed. of the "London Catalogue" of British Plants, edited by the late H. C. Watson, but have adopted also the 8th ed. by Mr. F. J. Hanbury, as to the inclusion of non-natives, differentiating them "by printing in ordinary type, but preceded by an asterisk, the names of such as are thoroughly established and look quite wild, whilst the names of more evident introductions are printed in italics, so that they can be distinguished as aliens at a glance." The necessity of an Appendix as to Casuals, &c., is thus obviated.

I have prefixed no numbers to the genera and species, since, except for exchange of specimens, they seem to be of little use, and their frequent alterations lead to confusion in the arrangement of herbaria. Every plant, unless followed by the sign ! after the Latin name, has been seen growing in Sussex by me, or verified from reliable herbarium specimens. An A has been occasionally added to plants observed by myself, by way of distinction. The Sussex plant names are preceded by an S. The terms used to denote frequency, as "com.," "rather com.," or otherwise, refer to the *whole* of the county and not to particular districts. With respect to supposed extinctions, as *Cyclamen hederæfolium*, *Juncus acutus*, &c., it has been thought well to retain such, as interesting matter of history.

FLORA OF SUSSEX.

DICOTYLEDONES.

RANUNCULACEÆ.

CLEMATIS VITALBA, *L.* Traveller's Joy. Old Man's Beard. *S.* Bethwine. Sh. 7-9.—Woods and hedges, especially on the chalk; com., except in the extreme N.E. of the county; very rare, near Battle, *B.*

THALICTRUM FLAVUM, *L.* Common Meadow Rue. P. 6-7.—Sides of rivers and ditches; rare. I. By the Lavant near Yarbrook, a single plant seen for several years; but now extinct, *F.V.P.* Bury. North Stoke, *H.* II. Banks of the W. Rother, near Fittleworth, *S.E.* Burpham. Near Horsham, *H.* Houghton Bridge, *A.A.E.* By the Arun below Pulborough Bridge, 1899, *A.J.C.* and *C.E.S.* IV. Near Lewes, 1851, sp. *U.* In a hedge by the footpath leading from Malling Gate to Wellington, *U.* In a swampy place near Bishopstone Mills, *T.H.* Bet. Isfield and Barcombe, banks of the Ouse, *N.J.T.* V. Bulverhythe, *R.*

ANEMONE NEMOROSA, *L.* Wood Anemone. Windflower. P. 4-5.—Woods and copses; com.

***ADONIS AUTUMNALIS**, *L.* Pheasant's Eye. A. 5-7.—Cornfields and waste places; rare. I. Earham, *Hb. Bor.* II. Near Horsham, *G.B.H.* III. Portslade, *Hb. Bor.* Fields near Brighton, *Hb. B.* Rottingdean, *M.* IV. Cornfields near Lewes, *U.* Cultivated land, Telscombe; many years up to 1900, *T.H.* V. Shingles near first Sluice bridge, Eastbourne, *R.* Eastdean, *F.B.D.* Obs.—We have few scarlet wild flowers: Notably—The Pheasant's Eye, the Pimpernel, and the Poppies.

MYOSURUS MINIMUS, *L.* Common Mouse-tail. A. 6-7.—Gravelly cornfields, also on the chalk. Sporadic; rare. I. Lower Hone, Bosham. Sidlesham, *J.G.H.* Bank on the W. side of Prinsted Common; abund., 1888, *A.* II. Angmering, 1900. Poling, 1903, in a wheatfield adjoining the churchyard, *H.C.M.* III. Hurstpierpoint. Portslade, to the Western extremity of the County, *N.B.G.* Southwick, *Hb. Bor.* Cult. fields on the sides of the chalk near Brighton, freq., *M.* West Grinstead, *S.E.* IV. Nr. Wellington, *U.* Cornfields about Fletching, *N.J.T.* V. Cornfields bet. Eastbourne and Eastdean. Plentiful in a

field bet. the Cuckmere Bridge, Berwick, and Abbot's Wood, 1881, *R.* VI. Guestling, nr. the Church, in a ploughed field, *B.* VII. Formerly abund. at Wych Cross, *E.J.*

RANUNCULUS CIRCINATUS, *Sibth.* Fan-leaved Water Crowfoot. P. 6-7.—Rivers, streams, and ditches; not uncom., and found in all the districts. I. Aldsworth Ponds. Near Mundham. Burton Ponds. II. By the Arun, near Burpham. III. Streams, Old Shoreham, *O.* Henfield Common, *C.E.S.* IV. Marsh ditches near Lewes, com., *J.H.A.J.* V. Eastbourne, near Langley and Tutbarn, in the marsh dikes abund., *R.* VI. Rye. Pett Level. Marshes near Snailham, com., *B.* VII. Ditches near Tunbridge Wells, *E.J.* Tilgate Forest, *J.L.*

R. FLUITANS, *Lam.* River Water Crowfoot. P. 4-8.—Rivers and brooks; rare. I. Some of the stations given are doubtful. Mr. J. H. A. Jenner, in his notes on the critical species of Sussex plants, says that although this species is recorded from the Arun, Adur, Ouse, and Cuckmere districts, he has not met with it. "Sussex, West; *Bor. MS.*" is the authority given by Watson. It occurs in Chichester Canal; the only locality in which I have found it.

R. PELTATUS, *Fries.* Common Water Crowfoot. P. 4-8.—Ponds, ditches, and rivers.

Var. **FLORIBUNDUS**.—In still water; very com.

R. PENICILLATUS, *Hiern.* Pseudo-fluitans, *Syme.* Clear streams. I. In the Ems by Racton and Westbourne, abund. V. Bexhill Common, *R.*

R. DROUETII, *Schultz.* Drouet's Water Crowfoot. P. 5-6.—Ponds and ditches; not com. I. Ditch on the Broyle, Chichester. By the roadside nr. the Brick kilns, Bosham. Southbourne, ditch by the road to Chichester. Ditch near Sidlesham, *C.E.S.* Ditch near Earnley, *A.* III. Erringham, *Hb. Bor.* V. Marsh bet. Langley and Pevensey, *R.*

R. TRICOPHYLLUS, *Chaix.* Hair-leaved Water Crowfoot. Water Fennel. P. 5-6.—Ponds and ditches; rare. I. Pond bet. Chichester and Whyke. Pond in a field at Upper Norwood, Lavington, *E.S.M.* III. Pond bet. Wiston and Chanctonbury, *Hb. Bor.* Ditch Coombe, 1900, *T.H.* Pond by the road between Battle and the Union, 1895, *E.S.S.* V. Marsh below Tut Barn, Eastbourne, *R.* VI. Winchelsea, *B.*

R. HETEROPHYLLUS, *Web.* Various leaved Water Crowfoot. Ponds and streams; rare. P. 4-6. I. Near Fishbourne Pond, 1897, *A.* Sidlesham Mill, 1898, *T.H.* II. Highdown Hill, 1897, *C.E.S.* III. Fulking, in ponds, *C.E.S.*

Var. **SUBMERSUS**, *Hiern.*—III. Pond near the Adur, Beeding, *T.H.*

- R. BAUDOTII, *Godron*. Baudot's Water Crowfoot. P. 5-6.
—Ponds and ditches of brackish water; rather rare. I. Birdham, *Hb. Bor.* Pools at Fishbourne, *A.* Itchenor, *A.F.* Clymping, *E.S.M.* III. Ditches near "The Pad," Lancing, 1897, *T.H.* IV. Fresh water pond, Falmer, 1900, *T.H.* V. Bexhill, 1882, *H. T. Mennell*.
- Var. *CONFUSUS*.—Fishbourne, *Hb. Bor.* Pool on re-claimed land, Thorney. V. Marsh nr. Willingdon. Ditch at Littlington, *R.* Cuckmere Haven, 1897, *T.H.* Milton Hyde Common, near Berwick Station, abund., 1896, *T.H.* Nr. Eastbourne, *J.H.A.J.* VI. Camber Sands, *B.*
- R. INTERMEDIUS, *Hiern*. Three-lobed Water Crowfoot. P. 5-8.—Shallow pools and ditches; very rare.
- R. LUTARIUS, *Bouvet*. IV. Chailey Common, 1900, *T.H.* and *C.E.S.* V. Dicker, *E.E.* Pond, Catsfield Green, nr. Battle, 1895, *E.S.S.* Pond at Hurstmonceux. Pool in Abbot's Wood, *R.* Ditch on Bexhill Common, *E.W.L.* VI. Westfield, *B.*
- R. LENORMANDI, *Schultz*. Lenormand's Water Crowfoot. P. 6-8.—Shallow pools and rill sides; rare. I. Heyshott. Holder Mill, Midhurst, *H.E.F.* Graffham, *C.E.S.* II. St. Leonard's Forest, *Hb. C.* III. Woodmancote, *Hb. Bor.* Henfield, *W.M.* Pilt Down, 1892, *T.H.* IV. Chailey Common, *N.J.T.* VII. Tilgate Forest, *J.L.* Ashdown Forest. Copthorne Common, 1891, *C.E.S.*
- R. HEDERACEUS, *L.* Ivy-leaved Water Crowfoot. P. 6-9.
—Margins of ponds and ditches; not uncom.
- R. SCELERATUS, *L.* Celery-leaved Crowfoot. A. 5-9.—Ditches and wet places; rather com. in all the districts.
- R. FLAMMULA, *L.* Lesser Spearwort. P. 6-9.—Wet places; very com.
Var. *PSEUDO-REPTANS*, *Syme*.—I. Westbourne, *A.* IV. Tilsmere Wood, Heathfield, *E.E.* Eastbourne, *R.*
- R. LINGUA, *L.* Great Spearwort. P. 6-9.—Marshy places; rare. I. Pond nr. S. Gate, Chichester, *Bor.*; not found recently. II. Amberley Wild Brooks, *Bor.* IV. Lewes Levels, not uncom., *U.* Hamsey. Barcombe, *H.* V. Marsh near Tut Barn. Mill Wood, Bexhill. Hurstmonceux, loc. abund., *R.* Berwick, *E.E.* VI. Swampy pool nr. Ecclesbourne, *B.*
- R. AURICOMUS, *L.* Wood Crowfoot. Goldilocks. P. 4-8.—Woods and hedges; rather com.
- R. ACRIS, *L.* Upright Buttercup. P. 6-7.—Meadows; very com.
- R. REPENS, *L.* Creeping Buttercup. P. 5-8. Damp hedges and ditches; very com.
- R. BULBOSUS, *L.* Bulbous Buttercup. P. 5-8.—Meadows; very com.

R. HIRSUTUS, *Curt.* **R. SARDOUS**, *Cranz* (earlier name) Hairy Buttercup. A. 6-9.—Waste ground, especially on the chalk and nr. the sea; rather rare, but found in all the districts. I. Marshes at Fishbourne, *Miss M. Arnold*. Bosham. Itchenor. Along a bank bet. Hermitage and Thorney, abund. II. Littlehampton, *Hb. C.* III. Near Brighton, *M.* IV. About Lewes, *U.* V. Shingles near Langley Gate, Eastbourne, abund., *R.* Great Park Farm, Battle, 1895, *E. S. Salmon*. VI. About Hastings, abund., *B.* VII. Neighbourhood of Tunbridge Wells, not uncom., *E.J.*

Var. **PARVULUS**, *L.*—III. Lane nr. the “Blue Idol,” Thakeham, 1886, and again in 1894, *A.J.C.*

R. PARVIFLORUS, *L.* Small Flowered Crowfoot. A. 5-7.—Dry banks and sandy fields; not com., local. I. Bank close to Aldsworth Farm House, *A.* By the wall of Westbourne Workhouse, 1901, *A.* Midhurst. Abund. at Selsey, *Bot. Sus.* Upmarden, *Hb. T.* Bank by the roadside bet. Chichester and Fishbourne. Prinsted Common. Appledram. Itchenor, *A.* Whyke, *F.V.P.* II. Storrington, *Bot. Sus.* III. Shoreham. Pangdean, *Bot. Sus.* Pyecombe, *W.M.* IV. Seaford, *E.E.* V. Nr. Langley Gate, Eastbourne, very rare, *R.*

R. ARVENTIS, *L.* Corn Crowfoot. A. 6-8.—Cornfields; com.

R. FICARIA, *L.* Lesser Celandine. P. 3-5.—Hedges, woods, and damp places; com.

CALTHA PALUSTRIS, *L.* Marsh Marigold. S. Kingcup. P. 3-6.—Marshes, ditches, river banks; com.

HELLEBORUS VIRIDIS, *L.* Green Hellebore. S. Setterwort. P. 3-4.—Woods on the chalk; rare. Certainly wild in the extreme W. of the County. I. End of Lordington Wood, by Brooksnap. Watergate Hanger, Stoughton. Oak copse, adjoining the Winden Wood, Chilgrove, *A.* Sutton, nr. an old lime kiln at “The Ball,” *H.S.* III. Copse called Broadwood, Findon, in some quantity, 1905, *T. P. Williams*. Woodmancote, near Henfield, *Hb. Borrer Hemsley*. Westend, Henfield. Woodmancote, in that part of the wood called Ten Acre Shaw, by the footpath from Henfield to Blackstone, near Bilsborough, *Bot. Sus.* VI. Side of a stream at Buss Green, nr. Wadhurst, *R.*

H. FETIDUS, *L.* Stinking Hellebore. Bear’s-foot. P. 2-5. Woods and bushy places on the chalk; very rare. I. Woods about Dale Park, *E.S.* By Swanbourne Lake, Arundel, abund. Also near the gates of Arundel Park, leading to Houghton, *Mr. P. Coombe*. II. Houghton, *H.* III. Pyecombe, *Hb. Bor.* Wood, foot of Ditchling Beacon, towards Clayton, *H.H.* and *J.A.C.* VI. Nr. Robertsbridge (Andrews), *E.N.B.* in litt. to *W.B.H.*, 1881.

***ERANTHIS HYEMALIS**, *Salisb!* Winter Aconite. P. 2-4.—Plantations, &c.; very rare. III. Established in

Clayton Rectory hedge, a garden escape, *H.H.* IV. Still found at Westmeston, 1873, *Helyer*.

AQUILEGIA VULGARIS, *L.* Columbine. P. 5-7.—Woods and copses; not com., except in the N.W. corner of the County, but occurs in all the districts, and undoubtedly wild. I. Harting, *W.* Charlton. Nr. Watergate, *Hb. C.* William Wood, Stoughton, *F.V.P.* Hangers of the chalk near Sutton, native, *E.S.M.* Forest Side, Stansted, in several places, *Mrs. Parson* (purple and white). North Wood. Red Copse, nr. Halnaker Down (purple and white), *E.H.D.* II. In the Woods nr. Burpham, *S.E.* St. Leonard's Forest (purple and white), *G.B.H.* Bet. Faygate and Kingsfold, 1892, *C.E.S.* III. Ditchling Common, very abund., *H.* Nr. Saddlescombe, *M.R.* IV. Sheffield Forest. Rushton Wood, Fletching, *N.J.T.* Wood nr. E. Hoathly, *U.* Downs above Berwick, possibly introduced, *E.E.* V. Gnat Wood. Abbot's Wood, *R.* Beachy Head, *R.* VI. Guestling, very sparingly, *B.* VII. Wadhurst, &c. Not unfreq. about Tunbridge Wells, *E.J.* Tilgate Forest, 1891, where it is undoubtedly wild, *C.E.S.*

***DELPHINIUM AJACIS**, *Reich!* Field Larkspur. A. 6-7.—Cornfields; rare, casual. IV. Occasionally at the foot of the Downs, *U.*

ACONITUM NAPELLUS, *L.* Monkshood. P. 6-7.—Shady places by streams; rare. I. Woolbeding, bank of river, *Helyer*. V. Side of road nr. Hellingly, 1875, sp., *R.*

BERBERIDACEÆ.

BERBERIS VULGARIS, *L.* Common Barberry. Sh. 5-6.—Thickets and hedges; rare, and doubtfully wild. I. Hermitage, planted. II. Slinfold, 1905, *Mr. Webster*. Edge of plantation from Goring Hall to the sea, *Hb. D.* III. Downs nr. Clayton Holt, *S.E.* Shipley, *E.E.* IV. Road side between Danehill and Tilgate Forest, *W.W.* V. Friston Warren, nr. Eastdean, *R.* Obs.—This shrub was formerly abundant in Sussex, but is now being generally cut down in or near fields, owing to the well-established fact that the cluster cups of the Barberry are productive of mildew in corn grown near them.

NYMPHÆACEÆ.

NYMPHÆ ALBA, *L.* White Water-lily. P. 7-8.—Ponds, rivers and streams; com.

NUPHAR LUTEA, *L.* Yellow Water-lily. P. 7-8.—Rivers and still waters; com.

PAPAVERACEÆ.

PAPAVER SOMNIFERUM, *L.* Garden Poppy. A. 6-8.—Waste places; freq. I. Fields below the Downs, Lavington, *E.S.M.*

- P. RHÆAS, L.** Common Red Poppy. S. Soldiers. A. 5-7.—Cornfields; com.
- Var. **STRIGOSUM**, *Boenn*.—III. Between Patcham and Saddlescombe, 1895, *A.J.C.* V. Eastbourne, towards Beachy Head, 1892.
- P. DUBIUM, L.** Long Smooth-headed Poppy. A. 5-7.—Cult. fields; not com. I. On the Wall of the Priory Park, Chichester. Near Lavington and Coates, *E.S.M.* II. Chiltington, 1877. III. Henfield, *Hb. Bor.* Fields on the Downs, near Brighton, *M.* IV. Nr. Lewes, com., *U.* About Fletching, *N.J.T.* V. Pevensey, *R.* VI. Rye. Rare in the Hastings district, *B.* VII. Cornfields near Tunbridge Wells, *E.J.*
- P. LECOQII.** Yellow Juiced Poppy. A. 6-7.—Rare; mostly on a chalky soil.
- P. ARGEMONE, L.** Long Rough-headed Poppy. A. 5-7.—Cornfields; not uncom. I. Selsey, *H.E.F.* Cornfield, E. Lavant. Sandy fields, Lavington and Coates, *E.S.M.* III. Patcham, Field nr. Brighton Race Course, *Hb. B.* IV. Nr. Lewes, abund., *U.* Fletching, *N.J.T.* V. East-dean. Ratton. Com. in the Cuckmere district, *R.* VI. Hastings district, very rare, *B.*
- P. HYBRIDUM, L.** Round Rough-headed Poppy. A. 5-7.—Cornfields; rather rare. I. Stoughton, *Hb. C.* Selsey, *H.E.F.* West Lavant, *A.* Racton, *A.* II. Bet. Amberley Mount and Camp Hill, 1899, *A.J.C.* and *C.E.S.* III. Saddlescombe, *M.R.* Fields on Downs, Old Shoreham. Nr. Cliftonville, *O.* Clayton and Preston, *H.H.* Fulking, 1894, *C.E.S.* IV. Cornfields on the Wellands, Lewes; also nr. the Kingston Mills, *U.* Roadside towards Bishopston Church, 1896, *H.H.* V. Mill Gap. Nr. Ratton Meads. Nr. Littlington, *R.* Eastbourne, *Rev. J. E. Kelsall.* VI. E.R. district, rare, *B.*
- GLAUCIUM LUTEUM, Scop.** Yellow Horned Poppy. B. 5-8.—Chalk cliffs and shingles; rather com. all along the coast. I. Thorney Island. West Wittering, *A.* Itchenor, *Rev. F. Haines.* Bognor, *Miss Sowton.* Selsey Bill, *H.E.F.* Pagham, *R.W.B.* Middleton, *E.H.D.* II. Littlehampton. Ferring, *Hb. D.* III. Sandy beach to the W. of Brighton, *M.* Nr. the Cement Works, bet. Shoreham and Bramber. IV. Newhaven, abund., *U.* V. Cliffs, Holywell. Mead's road. Nr. Exceat Bridge, abund., *R.* Beachy Head. VI. Pett Level. Rye Harbour, *B.*
- CHELIDONIUM MAJUS, L.** Celandine. P. 5-8.—Walls and stony banks, chiefly nr. dwellings; com. Found in all the districts.

FUMARIACEÆ.

- CORYDALIS LUTEA, DC.** Yellow Fumitory. P. 5-8.—Walls; rare. I. Harting, *W.* Midhurst, *H.E.F.* Fishbourne. Wall of the Barton's, Petworth. II. West

Preston, near Angmering, *S.B.* III. Nr. Shoreham, *Hb. C.* Ditchling, *Hb. B.* V. Established on a wall at Pevensey, *R.*

C. CLAVICULATA, DC. White Climbing Fumitory. A. 6-7.—Woods and dry places; not com. I. Rundhurst Copse, nr. Blackdown, *N.B.G.* Selham, *E.S.M.* Coates, *A.* II. Rackham Common, towards the Wild Brooks, *N.B.G.* III. Neighbourhood of Brighton, *M.* IV. Ouse district, *U.* V. Bet. Hailsham and Eastbourne, *N.B.G.* Shingles nr. Langley Gate. Park Wood, nr. Carter's Corner, *R.* VI. Guestling, somewhat com., *B.* VII. High Rocks, Tunbridge Wells, *Forster.*

FUMARIA PALLIDIFLORA, Jord. Pale-flowered Fumitory. A. 5-10.—Waste ground; rare. III. Henfield, *Hb. Bor.* Stanmer. V. Nr. Bexhill, *R.* Old Wall, Wartling, 1897, *T.H.* VI. Pett., *B.*

F. BORÆI, Jord. Boreau's Fumitory. A. 5.—Waste ground; rare. I. Bank by Selsey Church, *E.S.M.* III. Henfield, 1838. Holmesdale, *N.H.* IV. Uckfield, 1896, *T.H.* V. Nr. Great Tanner's Farm, nr. Horeham Road, 1892, *C.E.S.*

Var. *BORÆI*.—V. Bet. Bexhill and Sidley Green, *R.* VI. Guestling, *B.*

F. CONFUSA, Jord. Rampant Fumitory. A. 6-9.—Cult. ground; rare. IV. Chailey, *N.G.T.* V. Bexhill, *O.* Hedge nr. Willingdon, *R.* VI. E.R. district, not uncom., *B.*

F. MURALIS, Sonder! Wall Fumitory. A. 6-8.—Cult. ground and banks; rare. I. Thorney, very scarce, *E.S.M.* V. Nr. Bexhill, *R.* Pevensey Castle Grounds, 1895, *T.H.*

F. DENSIFLORA, DC. Close-flowered Fumitory. A. 6-9.—Cult. ground; rare. I. Westbourne, field nr. the Cemetery. III. Cultivated land about Brighton, 1899, *T.H.* IV. Nr. Berwick, *E.E.* Hop Gardens about Fletching, *N.J.T.* V. West Dean, 1855, *Hb. Bor.*

F. OFFICINALIS, L. Common Fumitory. Earth Smoke. A. 6-9.—Cult. ground; very com.

F. PARVIFLORA, Lam. Small-flowered Fumitory. A. 6-7.—Cult. ground; very rare. III. Cult. land, Stanmer Park, 1899, *T.H.*

CRUCIFERÆ.

CAKILE MARITIMA, Scop. Purple Sea Rocket. A. 6-7.—Sandy sea shores; not com. I. Bet. Pagham and Bognor, *R.W.B.* Bet. Clympling and Felpham, 1904, *H.C.M.* II. Littlehampton Beach. III. Foot of the cliffs nr. Brighton, *U.* Nr. Kingston Lighthouse, *Hb. B.* VI. Camber Sands, opposite Rye Harbour, *B.*

CRAMBE MARITIMA, L. Sea Kale. P. 6-7.—Chalk cliffs and sea beach; rare, formerly more com. I. Pagham, bet. Earnley and Selsey Bill, *E.S.M.* Selsey, *A.* West

Wittering, *R. J. W. Parrington*. Clymping, abund., *H.C.M.* Littlehampton, *A. III.* Shoreham, 1841, *Salmon.* Nr. Brighton, *M.* Worthing, *Bot. Sus.* V. Cliffs at Beachy Head. Holywell. Shingles nr. first sluice bridge, Eastbourne. Alfriston, loc. abund., *R.* Shingle bet. Bexhill and Pevensey Sluice, 1895, *E. S. Salmon.* VI. Cliffs nr. Hastings, *Hb. C.* Pett, a single plant, 1882, *B.*

RAPHANUS RAPHANISTRUM, *L.* Wild Radish. Jointed Charlock. A. 4-10.—Cult. fields and roadsides; not uncom., and found in all the districts.

R. MARITIMUS, *L.!* Sea Radish. B. or P. 6-9.—Chalk cliffs; rare. I. Pilsey Islet, 1902, *Mr. B. Fielder*, spec. III. Rottingdean, *M.* By Canal near Southwick, *H.H.* V. "Mr. Stonestreet found it under the cliffs by the seaside, about half-a-mile from the Fisher Houses, at Bourne, in Sussex." *Ray. Syn.*, 1724. Cliffs and chalk pits on the E. side of Beachy Head, *N.B.G.* Holywell Quarry. Shingles, *R.* Railway bank, Bulverhythe, *B.*

SINAPIS ARvensis, *L.* Charlock, *S.* Kilk. A. 5-8.—Cult. ground; very com.

S. ALBA, *L.* White Mustard. A. 5-7.—Cornfields and waste ground, especially on the chalk; com.

S. NIGRA, *L.* Black Mustard. A. 5-8.—Waste ground, &c.; rather com. Occurs in all the districts, and abund. in some localities.

BRASSICA OLERACEA, *L.* Sea Cabbage. P. 5-6.—Sea cliffs; very rare. III. Brighton cliffs, *Hb. B.* V. Holywell chalk pits, Beachy Head, 1840, *Hb. Bor.* VI. Rye, 1655, *Lobel.* Obs.—This plant seems once to have been more abundant along the South Coast since Lobel's words are: "Provenit etiam toto illo tractu littoreo à Dovero, Rya et inde ad vectem insulam."

B. NAPUS, *L.* Rape. Wild Navew. A. or B. 5-6.—Cliffs and fields; not com. V. Holywell Quarry; abund., *R.*

B. CAMPESTRIS, *L.* Swede. B. 6-7.—Fields and waste ground, escapes only; com.

B. RAPA, *L.* Turnip. B. 4-7.—Fields and waste ground, escapes only; com.

B. MONENSIS, *Huds.* B. or P. 7-9.—Hedges; very rare. II. Littlehampton, 1905, *Mr. B. Reynolds* (evidently a casual from Guernsey. III. Found occasionally at Southwick, *T.H.*

DIPLOTAXIS TENUIFOLIA, *DC.* Narrow-leaved Wall Mustard. P. 6-9.—Old walls and roadsides; rare. I. Bet. Prinsted and Thorney, 1886. III. Nr. Brighton, abund., *Hb. B.* IV. Walls in Lewes, *Bot. Sus.* V. Bexhill, *H.*

D. MURALIS, *DC.* Sand Mustard. A. 8-9.—Waste ground; not uncom.

Var. **GENUINA**.—Freq. and spreading rapidly, especially

by the Line of the L.B. and S.C. Railway. I. Nr. Chichester, abund., 1890. Nr. Lumley Mills, 1900, A.

Var. BABINGTONII. !—V. Christchurch and nr. the Wish, B.

SISYMBRIUM OFFICINALE, Scop. Hedge Mustard. A. 6-7.—Roadsides; very com.

S. SOPHIA, L. Flixweed. A. 6-9.—Roadsides; rare. III. Shoreham, *Hb. T.* Nr. the Grand Stand, Brighton Race Course, *Hon. H. J. L. Warren.* V. Holywell Quarry, *R.* Shingles, Eastbourne, 1902, *T.H.*

S. ALLIARIA, Scop. Jack by the Hedge. Garlic Mustard. B. 5-6.—Hedgebanks; com.

ERYSIMUM CHEIRANTHOIDES, L. Treacle Hedge Mustard. Worm Seed Mustard. B. 6-8.—Cult. ground, waste places; not com. I. Bepton, *H.E.F.* Native by the Rother bet. Petworth and Fittleworth, and by the Arun. A weed of cultivation at Selham, *E.S.M.* II. Nr. Pulborough Station, *A.* Slinfold Parsonage, *G.B.H.* III. Nr. Brighton, *M.* IV. Berwick, *E.E.* Twice by the Ouse beyond Lewes, casual, *H.H.*; no personal authority for Sussex, *E.* in *Top. Bot.*

E. ORIENTALE, R. Br.! Hare's ear Treacle Mustard. A. 6-7.—Fields and cliffs by the sea; rare. I. Harting, *Miss M. L. Hodgson.* III. Nr. Brighton, *M.* Sompting, 1892, *T.H.* VI. Fields nr. Mayfield, *Bot. Sus.*

***HESPERIS MATRONALIS, L.** Dame's Violet. P. 6-7.—Cult. ground. Here and there as a casual escape. III. A considerable quantity on a bank by the roadside near Bolney, 1892, *T.H.*

MATTHIOLA INCANA, R. Br.! Hoary Shrubby Stock. P. 5-9.—Cliffs. III. Under chalk cliffs beyond Kemp Town, Brighton, March 22, 1870, *W. Whitwell*, report of the Bot. Rec. Club. VI. Cliffs E. of Hastings, *Hb. Bor.* Scarcely accessible, *Bor. MSS.*

***CHEIRANTHUS CHEIRI, L.** Wall Flower. G. 4-5.—Old ruins, cliffs, and the sides of railway cuttings through the chalk; com.

DENTARIA BULBIFERA, L. Bulbiferous Coral Wort. P. 4-5.—Woods; very rare. I. Half-way bet. Petworth and Midhurst, *Hb. Bor.* II. Woods at Rusper, *G.B.H.* Warnham, *H.* II. Nr. Faygate, 1895, *C.E.S.* VI. Mayfield, *E.J.* Burwash, *B.* VII. Hartfield, *Bor. MSS.* By the stream towards Tunbridge Wells, nr. the entrance to Bayham Abbey, *Hb. C.* Obs.—This plant is mentioned in Parkinson's *Theatrum Botanicum*, 1640.

CARDAMINE AMARA, L. Bitter Ladies' Smock. P. 4-5.—Wet shady places; rare. I. Bet. Petworth and Midhurst, *Bot. Sus.* Petworth, by the Virgin Mary's Spring, *A.* Abundant by the stream between Lurgashall and Selham, *E.S.M.* II. Slinfold, *Hb. Bor.* IV. Boggy Copse, nr. Offham, *U.* V. Nr. Blackford, *R.* Stream bet.

- Lower Beach Farm and the Workhouse, Battle, 1895,
E.S.S. VI. Mayfield, not unfreq., *E.J.* Guestling, loc.,
 B. VII. Marsh at Brambletye, *N.B.G.* About Tunbridge
 Wells, *R.D.*
- C. PRATENSIS, *L.* Meadow Ladies' Smock. Cuckoo-
 flower. P. 4-6.—Meadows; com.
- C. HIRSUTA, *L.* Hairy-leaved Ladies' Smock. A. 4-8.—
 Walls and waste ground; com.
- C. SYLVATICA, *Link.* Wood Ladies' Smock. A. 4-8.—
 Roadsides and ditches; not uncom. I. By Lumley Mill,
 Westbourne. Easebourne. II. Arun district, *H.* III. Nr.
 Brighton, *Hb.* *B.* V. Nr. Hailsham. Langley, *R.* VI.
 E.R. district, com., *B.* Robertsbridge, 1890, *W.M.R.*
 VII. Nr. Tunbridge Wells, not rare, *E.J.*
- C. IMPATIENS, *L.!* Impatient Ladies' Smock. A. 6-7.—
 Shady woods; very rare. II. Nr. Slinfold Parsonage,
G.B.H. II. Warnham, *E.E.* III. Hedge bank by road-
 side E. of W. Grinstead, *W.H.B.* Southwater, *E.E.*
- ARABIS THALIANA, *L.* Thale Cress. A. 5-9.—Wall tops
 and dry banks; com.
- A. HIRSUTA, *Br.* Hairy Wall Cress. B. 6-8.—Downs and
 dry banks; rather rare, except on the chalk. I. Harting,
 W. Bet. Stoke and E. Marden, *Hb.* C. Goodwood.
 Singleton. Halnaker. Lavington Churchyard, *E.S.M.*
 Bury, *H.C.M.* III. Slopes of the Dyke nr. Brighton, *O.*
 Plentiful on Race Hill, Brighton, *H.H.* Henfield, *H.H.*
 IV. Nr. Freshfield Mill, *N.J.T.* Offham, *H.H.* Nr.
 Stanmer Park, *H.H.* V. Bank nr. Friston. Bet. East-
 dean and Beachy Head, *R.*
- Var. GLABRATA.—V. Downs above the Links, Eastbourne,
R. III. Dyke Hill, Brighton, 1902, *T.H.* V. Downs
 South of Berwick, *E.E.* Top of the Downs above
 Paradise, *R.*
- BARBAREA VULGARIS, *Br.* Yellow Rocket. P. 5-7.—
 Meadows and ditches; com.
- B. PRÆCOX, *Br.* American Cress, *S.* Land Cress. B. 6-8.—
 Waste ground; not com. I. Roadside nr. Westbourne
 Cemetery. Roadsides nr. Graffham, Selham, and Lodsworth,
E.S.M. III. Nr. Brighton, *M.* V. Nr. Water-
 works, Eastbourne, *R.* VI. Bopeep, *B.*
- NASTURTIUM OFFICINALE, *Br.* Water Cress. P. 5-9.—
 Ponds and ditches; com. Extensively cult. in various
 parts of the country.
- N. SYLVESTRE, *Br.* Creeping Yellow Cress. P. 6-9.—
 River banks and ditches; rare. I. In the Arun below
 Pulborough, plentiful, *Rev. E. S. Marshall.* Bet.
 Bury and Westburton, 1899, *A.* II. Nr. Houghton
 Bridge, *N.B.G.* III. Adur district, *M.* IV. Banks of the
 Ouse, *J.H.A.J.* VI. Bodiam. Peasemarsh, *B.*

N. PALUSTRE, *DC.* Marsh Yellow Cress. A. 6-8.—Wet meadows and sides of pools; rare. I. Hunston. Pool nr. Greylingwell, *A.* Half-a-mile from Chichester on the Arundel road, *Hb. C.* II. Amberley Wild Brooks, *Hb. C.* In the Arun below Pulborough, *E.S.M.* III. Henfield, *Hb. B.* V. Berwick, *E.E.* VI. Nr. Robertsbridge, *Prof. Thistleton Dyer.* VII. About Tunbridge Wells, not uncom., *E.J.*

N. AMPHIBIUM, *Br.* Great Yellow Cress. P. 6-9.—Sides of ponds and ditches; rare. I. Bulrush Pond, Bosham, abund. Hunston. II. In the Arun below Pulborough, *E.S.M.* III. Henfield, *Rev. A. K. Nairne.* IV. Banks of the Ouse nr. Lewes, *R.* V. Marsh ditch nr. Glenleigh, Eastbourne, *R.* VII. About Tunbridge Wells, freq., *E.J.*

ARMORACIA RUSTICANA, *Bab.* Horse-radish. P. 5-6.—Waste places; occas. nr. dwellings.

COCHLEARIA DANICA, *L.* Danish Scurvy Grass. B. 5-6.—Seaside waste; rare. I. Icheneor, *A.F.* Prinsted Common, nr. the sea, in a few patches, 1886, *Miss Arnold.* Plentiful on shingles between Pagham and Selsey, *E.S.M.* III. Nr. Brighton, *M.* Kingston beach, *Hb. B.* VI. Nr. Rye, 1886, *B.*

C. ANGLICA, *L.* English Scurvy Grass. A. 5-8.—Muddy sea shores; rare, and apparently confined to the W. R. district. I. Nr. Dell Quay, Chichester Harbour, abund. Bosham, nr. the Old Windmill, opposite Cut Mill. Bet. Thorney and Prinsted, 1888, *A.* Obs.—Cochlearia Danica and *C. Anglica* grow together side by side, but quite distinct, on the shore between Prinsted and Thorney. The white flowers of *C. Anglica* very distinguishable from the smaller and pink blossoms of *C. Danica*.

N.B.—The typical *C. officinalis* does not occur in Sussex.

DRABA MURALIS. Wall Whitlow Grass. A. 4-5.—Very rare. Walls at Park Bottom, Arundel, first found there April, 1899, by *Mr. H. C. Miller*; spec. seen (verified at Kew); very rare in the S. of England.

DRABA VERNA, *L.* Whitlow Grass. A. 4-5.—Walls and banks; com.

Var. **BRACHYCARPA**.—I. Aldsworth Common, Westbourne. III. Aldrington Beach, 1897, *T.H.* IV. Downs near Telscombe, *T.H.* V. Hurstmonceux Castle, *R.*

Var. **STENOCARPA**, *Jord.*—Sandy fields, Selham and Lavington, *E.S.M.*

Var. **VIRESSENS**, *Jord.*—Top of the Downs above Graffham and Heyshott. On the green sand about Selham, *E.S.M.*

***ALYSSUM CALYCINUM**, *L.* Calycine Alyssum. A. 6-8.—Waste places; rare, cas. I. Nr. Fishbourne, 1875, *A.* Appledram Common, *J.G.H.* III. Shipley, *E.E.* Downs, Patcham, *T.H.*

- **A. MARITIMUM*, *L.*! Seaside Alyssum. A. 6-8.—Waste nr. the sea; rare and cas. V. Edge of the cliff, Eastbourne, *R.*
- **CAMELINA SATIVA*, *Crantz.* Cultivated Gold of Pleasure. A. 6-7.—Cult. and waste ground; rare. I. Fields at Hunston. III. Dyke Road, N. of Brighton, *S.E.* IV. Berwick, *E.E.* V. Nr. Horsham Station, *R.* Eastbourne, 1885, *C.E.S.*
- THLASPI ARVENSE*, *L.* Field Penny Cress. A. 5-7.—Waste ground; not com. I. Rubbish heap, S. fields, Chichester, *F.V.P.* Bepton, *Hb.* T. Iping, *H.E.F.* Ratham, 1890, *A.* Sandy Field, Norwood, Lavington, *E.S.M.* Rumboldswhyke, 1890, *Dr. Paxton.* Boxgrove, 1895, *A.* III. Nr. Brighton, *M.* Fishergate, *T.H.* IV. Nr. Lewes, freq., *U.* Railway bank bet. Newick and Barcombe, *N.J.T.* V. Bet. Langley and Wall's end, *R.* VI. Ore (*Andrews*), *E.N.B.* in litt to *W.B.H.*, 1881.
- T. PERFOLIATUM*, *L.*! Perfoliate Penny Cress. A. 4-5.—Stony ground; rare. IV. Newhaven, introd. *Hb. Bor.*
- IBERIS AMARA*, *L.*! Bitter Candy-tuft. A. 7.—Cult. fields, chiefly on chalk; rare. V. Bet. Polegate and Hailsham. Holywell. Ratton Woods, *R.* Abundant on the shingles about two miles east of Eastbourne, 1895, *T.H.* VI. Cornfield nr. St. Leonards, *O.*
- TEESDALIA NUDICAULIS*, *Br.*! Shepherd's Cress. A. 4-6.—Sandy and gravelly places; very rare. I. Midhurst, *Bot. Sus.* Sparingly on Graffham Common and nr. Heyshott, *E.S.M.* IV. Balcombe, *W.B.H.* VII. Sandy heaths nr. Tunbridge Wells, *E.J.*
- CAPSELLA BURSA-PASTORIS*, *Mænch.* Shepherd's Purse. A. 3-10.—Cult. and waste ground; com.
- LEPIDIUM LATIFOLIUM*, *L.* Broad-leaved Pepperwort. P. 8-9.—Waste places; very rare. I. By the Lavant, nr. St. James' Hospital, *Bot. Sus.* Portfield, *Hb.* T. Same loc., 1847, *Hb. C.* Appledram, nr. the mouth of the Lavant, 1886. Same loc., 1900, *A.* V. Pevensey Levels, 1906, *Rev. A. A. Evans.*
- L. RUDERALE*, *L.* Rubbish Pepperwort. A. 5-6.—Waste places; rare. A ballast casual in W. Sussex, *Hon. J. L. Warren, Bot. Ex. Club, Rep.*, 1874. I. By the Watermill, Birdham, abund., 1898, *T.H.* II. By the Arundel side of Houghton Bridge, 1899, *Rev. A. A. Evans.* Near Clymping, *H. C. Miller.* III. Southwick, *H.H.* Fishergate, *T.H.* V. Side of Meads Road, Eastbourne, *R.* Plentiful near the Gas Works, Bexhill, 1894, *C.E.S.* VI. Ecclesbourne, cas. formerly, *B.*
- L. CAMPESTRE*, *Br.* Mithridate Pepperwort. B. 6-8.—Fields and roadsides; not uncom.
- L. SMITHII*, *Hook.* *L. Hirtum*, *Sm.* Smooth Field Pepperwort. P. 6-8.—Fields and waste places; com.

I. Westbourne, A. Sandy Banks at Selham, *E.S.M.*
Racton, A. West Wittering, 1902, *C.E.S.* III. Near Brighton, *Merrifield*. Woodmancote and Henfield, *Bot. Sus.* IV. Framfield, 1903. V. Shingles near Ratton. Folkington. Bexhill. Nr. Tut Barn, com., *R.* VI. Hastings district, com., *Bloomfield*. VII. East Grinstead, *Coleman*.

*L. DRABA, *L.* Whitlow Pepperwort. P. 5-6.—Cult. and waste ground; very rare. I. Midhurst, *H.E.F.* Nr. Aldsworth House, *Hb. C.* By the Slipper Mill, Hermitage, 1885. Nr. Aldsworth House, 1898, *Miss R. L. Arnold*. Aldingbourne, *Rev. W. W. Kelly*. Bognor and Aldwick, 1901, *H. L. F. Guermonprez*. III. Rottingdean, 1894-1900, *T.H.* VI. Railway bank, Guestling, *B.* Bank on St. Helen's Road, Hastings, *O.*

SENEBIERA DIDYMA, *Pers.* Lesser Wart Cress. A. 7-9. Waste ground and roadsides, chiefly by the sea; not com. I. Mouth of the Ems, Hermitage, Fishbourne. Nr. Bosham Station, abund. Chichester, by the Cattle Market, A. Selsey, *Hb. C.* Sidlesham, *Hb. T.* Between Chichester and Selsey, 1843, *Hb. C.* II. Arundel, 1899, *M.* IV. Maresfield, *N.J.T.* VI. Along the Rother, nr. Rye Station, *E.W.L.* Obs.—Supposed to have come *C.E.S.* III. Under the Chain Pier Esplanade, Brighton, originally from America.

S. CORONOPUS, *Poir.* Common Wart Cress. Swine's Cress. A. 6-9.—Waste ground; very com.

*ISATIS TINCTORIA, *L.!* Dyer's Woad. B. 7.—Cult. fields and chalk pits; very rare. I. Calceto, Arundel, *S.E.* III. Hollingbury Hill, casual with clover from 1893-5, *T.H.* IV. Uckfield. Maresfield, *S.E.*

RESEDACEÆ.

RESEDA LUTEA, *L.* Wild Mignonette. B. 7-8.—Downs, waysides and cult. ground, especially on the chalk; rather com., and found in all the Districts.

R. LUTEOLA, *L.* Dyer's Rocket. B. 6-9.—Downs, waste places and shingles; com.

CISTACEÆ.

HELIANTHEMUM VULGARE, *Gaert.* Common Rock-rose. P. 6-9.—Downs and dry banks; com. on the chalk. I. Harting. Racton, by the Tower. Adsdean. Funtington. Goodwood. Halnaker Down, abund. Upwaltham. Arundel Park. II. Burpham. Storrington Down. III. Downs bet. Worthing and Brighton, com., *M.* Nr. Bramber, com. IV. Lewes, abund., *U.* V. Nr. Folkington. Jevington Holt, loc. abund., *R.*

VIOLACEÆ.

VIOLA PALUSTRIS, *L.* Marsh Violet. P. 4-7.—Bogs and wet pastures; rare. I. Swamp south of Graffham Common, E.S.M. II. Amberley, *Clarkson*. Chiltington Common. III. Adur District, *M.* IV. Chailey Common, nr. the great bog, *V.* V. Swampy field E. of Kemp's Wood. Marshy meadow nr. Markly. Nr. Heathfield, *R.* VI. Dallington Forest. Guestling, *B.* VII. Bogs nr. Tunbridge Wells, *E.J.* Tilgate Forest, *J.L.* Ashdown Forest, *N.J.T.* VII. Cut and Lie Wood, nr. Copthorne, 1900, *H. Groves* and *C.E.S.*

V. ODORATA, *L.* Sweet Violet. P. 3-4.—Woods and hedge banks; com. Occurs at Racton, Aldingbourne, &c., with purple, lilac, dull reddish purple, and white flowers. I. Graffham, *E.S.M.*, white, pink, and purple.

Var. *PERMIXTA*.—I. Racton, by the Tower. IV. Downs nr. Lewes, *J.H.A.J.* Bet. Wannock and Jevington, *R.*

V. HIRTA, *L.* Hairy Violet. P. 4-6.—Downs and hedge banks; not uncom. on the chalk. I. Harting, *W.* Westbourne. Racton. Stoughton. Lavant. Singleton. Barlavington. III. Nr. Brighton, com., *M.* IV. Lewes, Love Lane. Hamsey, &c., *U.* V. Beachy Head. Polegate. Downs above Wannock, *R.*

Var. *CALCAREA*!—V. Downs nr. Beachy Head. Nr. Willingdon, *R.*

HYBRID HIRTA X. ODORATA. On the chalk. Lavington and Graffham, usually scentless, *E.S.M.* III. Clayton, 1897, *T.H.*

Var. *RIVINIANA* x. *SILVESTRIS*.—Beechen Hangers, Graffham, *E.S.M.* III. On North edge of the Downs nr. Brighton. V. Com. in the Battle district, 1895, *T.H.*

V. SYLVATICA, *Br.* Wood Violet, *S.* Dog Violet. P. 4-5. Woods and hedge banks.

Var. *RIVINIANA*.—Com. in all the districts.

Var. *REICHENBACHIANA*.—Less com.; principally on the chalk. I. Westbourne. Stansted. Racton, freq. III. Hurstpierpoint, *W.M.* Abund. on North edge of Downs nr. Brighton, *H.H.* V. Wood nr. Polegate. Heathfield, rather rare, *R.* VI. E.R. District, not uncom., *B.*

V. FLAVICORNIS, *Sm.* Dillenius' Dog Violet. P. 4-6.—Downs and commons; rather com. Found in all the districts.

V. LACTEA, *Sm.* Smith's Dog Violet. P. 4-6.—Damp heaths and bogs; rare. IV. Chailey Common, 1900, *T.H.* and *C.E.S.* V. Kemp's Wood, Heathfield, *R.* VI. Fairlight, *N.B.G.* Guestling, boggy ground, *B.* VII. On the sides of the great bog leading from Eridge Rocks towards Groombridge, *Bot. Sus.* Waterdown Forest, and here and

there throughout the Forest district, *E.J.* Crowborough, 1895, *C.E.S.* Copthorne Common, 1891, *C.E.S.*

V. TRICOLOR, *L.*! Heartsease. Field Pansy. A. 5-9.—Cult. ground; rare in W. Sussex. I. Nr. Midhurst, *H.E.F.* III. Nr. Brighton, *M.* IV. Hop gardens, Fletching, *N.J.T.* V. Nr. Lunsfords Cross, *E.S.S.* Great Park Farm, Battle, and in a field nr. Netherfield, 1895, *E.S.S.* VI. Dallington, *B.* Field bet. Westfield and Beauport Park, 1895, *E.S.S.* Old Mill Farm, Mayfield, 1892, *C.E.S.* VII. About Tunbridge Wells, com., *E.J.*
Var. ARVENSIS.—Com. throughout the county.

DROSERACEÆ.

DROSERA ROTUNDIFOLIA, *L.* Round-leaved Sundew. P. 7-8. Bogs and damp heaths; com. in all the districts.

D. INTERMEDIA, *Hayne.* Lesser Long-leaved Sundew. P. 7-8.—Bogs, usually growing in the water; not com. I. Harting, *W.* Midhurst Common. Duncton Common, *A.* II. Amberley. Pulborough, *Bot. Sus.* Chiltington. VI. Westfield Green, nr. Hastings (formerly), *R.B.G.* VII. Nr. Forest Row, *E.J.* Ashdown Forest, nr. Nutley, *M.R.D.*

POLYGALACEÆ.

POLYGALA VULGARIS, *L.* Common Milkwort. P. 5-8.—Heaths and dry banks; com.

Var. OXYPTERA.—I. Downs above Barlavington, Heyshott Down, *E.S.M.* III. Downs bet. Hodshrove and Bevenden, 1900, *T.H.* IV. Summit of Cliffs, nr. Newhaven, *Hb. Bor.* Plumpton, *E.E.* V. Crowhurst, nr. Battle, *R.* Bexhill, *O.* VI. Hastings district, *B.* Petley Wood, 1894, *C.E.S.*

P. DEPRESSA, *Wenderoth.* Lesser Common Milkwort. P. 6-8.—Sandy and healthy ground; not uncom.

P. CALCAREA, *Schultz.* Chalk Milkwort. P. 6-8.—Downs; local on the chalk. III. Nr. Brighton, *M.* Piecombe, *H.H.* IV. Lewes, on Cliffe Hill, nr. Mount Caburn, and elsewhere, com., *U.* V. Bet. Eastdean and Beachy Head. Folkington, abund., *R.*

FRANKENIACEÆ.

FRANKENIA LÆVIS, *L.* Smooth Sea Heath. P. 7-9.—Marsh flats by the sea; not com., but found in all the maritime districts. I. By Chichester Creek, *N.B.G.* Hermitage, on the bank near the Burnt Mill, just on the boundary of Sussex, 1892, *A.* About a mile south of Bosham, *E.S.M.* II. Arun district, *H.* III. Shoreham, abund., *O.* Kingston, *Hb.* *B.* IV. Seaford, *U.* V. Side of pool bet. Pevensey and Bexhill, *R.* VI. Salterns, Camber, *B.* Pett, 1877, *R. L. Hawkins.*

CARYOPHYLLACEÆ.

- DIANTHUS ARMERIA**, *L.* Deptford Pink. A. 7-8.—Dry banks and borders of fields; rare and uncertain in its appearance. I. Stoughton, *F.V.P.* Racton by the Tower, and by the road to Aldsworth, occasionally abund. Appledram, *A.* Nr. Ratham, *W.J.* Aldingbourne, by Chichester and Arundel road, *E.H.D.* Bet. Woodmancote and Hambrook, abund., 1889, *A.* Pagham, 1899, *A.* On a gravelly bank at the side of the high road nr. Boxgrove, 1892, *Mrs. Hill.* III. Henfield, *M.* VI. Ore, *B.* VII. Withyham, sp. *Miss A. Wallis.* Rusthall, *Deakin.*
- D. DELTOIDES**, *L.!* Maiden Pink. P. 6-7.—Dry pastures; rare, “Sussex, West,” *Watson.* III. Hassocks, “Sussex, East,” 1899, *T.H.* IV. Nr. Fletching, *N.J.T.* Obs.—While excluding this species from Hants, Townsend says: “I strongly expect it may prove to be indigenous.”
- D. PROLIFER**, *L.* Proliferous Pink. A. 7-8.—Banks by the sea; very rare. I. On the tongue of beach stretching from Selsey towards the mouth of Pagham Harbour, long known there, *Hb. T.* Still plentiful about Pagham, where it was found in 1900 at intervals over an area fully half a mile long by half a mile wide, *E.S.M.*
- ***SAPONARIA OFFICINALIS**, *L.* Soapwort. P. 7-8.—Waste places and sides of streams; rare. II. Bet. Washington and Storrington Commons, *Bot. Sus.* Slindfold, *A. A. Evans.* III. Nr. Brighton, *M.* IV. Lewes, *Hb. Bor.* Hamsey, *U.* Spring Wood, Fletching, *M.D.* V. Langley Point, 1840, *Hb. Bor.* Shingles, nr. first Sluice Bridge, Eastbourne, abund. Side of stream at Crowhurst, *R.*
- SILENE INFILATA**, *Sm.* Bladder Campion, *S.* Crackers. P. 6-9.—Waysides and borders of fields; com. Var. **PUBERULA**, *Syme.*—I. Frequent in chalky fields, Lavington, *E.S.M.* III. Brighton, 1884, *A.J.C.*
- S. MARITIMA**, *With.* Sea Campion. P. 6-9.—Seaside waste; com. all along the coast.
- S. ANGLICA**, *L.* English Catchfly. A. 6-9.—Cornfields; rare. I. Woolavington, *Bot. Sus.* Easebourne, 1892, *G. Landon.* Coates, bet. Graffham and Heyshott, *E.S.M.* II. Storrington, *Bot. Sus.* IV. Telscombe, 1897, *T.H.* V. Field nr. Greenstreet, *R.* VI. Turnip field nr. Hastings, *Bromfield.* Guestling, rare, *B.* VII. Bet. Tunbridge Wells and Frant, *E.J. Tilgate, E.E.*
- S. CONICA**, *L.* Striated Catchfly. A. 5-6.—Sandy places; very rare. I. Clympling sands, abund., *W.H.B.F.* Littlehampton, *A.* III. Clover field at Saddlescombe, 1902, *Miss M. Robinson.* IV. Telscombe, 1888, *T.H.*
- S. NOCTIFLORA**, *L.* Night-flowering Catchfly. A. 7-8.—Fields, &c.; very rare. I. Field bet. Farm Hill and

Barlavington Down (casual or colonist), *E.S.M.* III.
 "Seedlescombe, nr. Poynings, 1814," *Hb. Bor.* Bet.
 Patcham and Saddlescombe, 1895, *C.E.S.* IV. Downs bet.
 Alciston and Bishopstone, *Rev. E. Ellman.* V. Shore on
 the Bexhill side of St. Leonards, *O.*

LYCHNIS VESPERTINA, *Sibth.* White Campion. P. 6-7.
 —Waste and cult. ground; com.

L. DIURNA, *Sibth.* Red Campion, *S.* Bachelor's Button.
 P. 6-7.—Hedge banks and shady places; com.

L. FLOS-CUCULI, *L.* Ragged Robin. P. 5-6.—Moist
 meadows and ditches; com.

L. GITHAGO, *Lam.* Corn Cockle. A. 7-8.—Cult. fields;
 less common than formerly; often eradicated. I. Racton.
 Cocking. III. Brighton, 1905. V. Eastbourne, rare.
 Field nr. Cemetery, *R.* Hastings, *Broomfield.* VII. Corn-
 fields nr. Tunbridge Wells, freq., *Deakin.*

MOENCHIA ERECTA, *Sm.* Upright Mœnchia. A. 5-6.—
 Gravelly and sandy pastures; not uncom. Often over-
 looked from its small size. I. Up Park, W. Westbourne
 Common. Racton Park. Prinsted Common, abund.
 Coates Common, *E.S.M.* III. From Black Rock to
 Rottingdean, *Hb. B.* IV. Berwick Common, *E.E.* V.
 Milton Hyde, nr. Mitchelham, rare, *R.* Willingdon Hill,
E.E. VI. Hastings, *O.* Pett, *B.* VII. Ashdown Forest,
Coleman.

CERASTIUM TETRANDUM, *Curtis.* Seaside Mouse-ear
 Chickweed. A. 5-7.—Banks by the sea, also on the Downs;
 not com. I. Thorney, nr. Markers. Prinsted Common,
 abund. Nutbourne. Aldwick. Clymping Sands, *E.S.M.*
 II. Littlehampton, *E.S.M.* III. On the coast from
 Shoreham to Brighton, *M.* V. In the grass at Beachy
 Head, *R.* VI. Winchelsea, *B.*

C. SEMIDECANDRUM, *L.* Little Mouse-ear Chickweed.
 A. 4-5.—Dry banks and wall tops; apparently rare. I.
 Graffham. Sutton. Ambersham Common, *E.S.M.* II.
 Littlehampton, *Hb. Bor.* III. Hurstpierpoint, *M.* IV.
 Lewes, very com. on ant hills on the Downs, *U.* Sandy
 ground, Maresfield Park, *N.J.T.* V. In the grass above
 Jevington Church, *R.* VI. Hastings Castle slope, *B.*
 VII. About Tunbridge Wells, com., *E.J.*

C. PUMILUM, *Curt.* Curtis' Mouse-ear Chickweed. Very
 rare. A. 4-5.—Rough bank, Oxen Down, between Up-
 waltham and East Dean, facing south, *E.S.M.*

C. GLOMERATUM, *Thuil.* Broad-leaved Mouse-ear Chick-
 weed. A. 4-9.—Fields, banks, and walls; very com.

C. TRIVIALE, *Link.* Narrow-leaved Mouse-ear Chickweed.
 A. 5-9.—Waysides and banks; very com.

C. ARVENSE, *L.* Field Chickweed. P. 4-8.—Cult. ground
 and dry banks, chiefly on the chalk; rare. III. Roadside

from the Dyke to Brighton, *O.* Kingston, *Hb. B.* Road in Patcham parish leading from London Road to Ditchling Road, *C.E.S.* IV. Field nr. Ashcombe, plen., *H.H.* Hills west of Alfriston, *E.E.* V. Cornfield by the roadside bet. Meads and Eastdean, abund., *R.* VI. Rye, *B.*

STELLARIA AQUATICA, Scop. Water Chickweed. P. 7-8.
Wet places; rare. I. Appledram Common, by the Lavant, *A.* By the W. Rother in several places, *H.E.F.* II. By the Arun bet. Pulborough and S. Stoke, freq., *W.H.B.F.* Nr. Slinfold, 1901, *Rev. A. A. Evans.* III. Neighbourhood of Albourne, *M.* IV. Wet meadows by the Ouse, Fletching, freq., *N.J.T.* Nr. Lewes Paper Mills, *Hb. B.* New Barbcombe, *H.H.* In very dry gravel at Berwick Rectory, *E.E.* V. Cuckmere down to Arlington, *E.E.* Roadside ditch nr. Polegate, *R.* VI. Rye, nr Camber Castle, *B.* VII. About Tunbridge Wells, freq., *E.J.*

S. MEDIA, L. Common Chickweed. A. 1-12.—Cult. and waste ground; very com.

Var. *BORÆANA*, *Jord.*—III. By the Canal, Fishergate, 1895, *T.H.*

S. UMBROSA, Opiz. var. *S. neglecta*, Weihe. *S. media* var. major. *Koch.* Large-flowered Chickweed. P. 5-7.—I. Abund. by the roadside bet. Halfway Bridge and Selham. II. Ditch by the Arun, North Stoke, *E.S.M.* Obs.—Townsend, "Flora of Hants," after careful examination, says: "I believe *S. Umbrosa* to be a distinct species or sub-species." This plant was added to the "Sussex Flora" by the Rev. E. S. Marshall in 1901.

S. HOLOSTEA, L. Greater Stitchwort, *S.* Snow. Miller's Star. P. 4-6.—Woods and hedge banks; very com.

S. GLAUCA, With. Glaucous Stitchwort. P. 7-8.—Marshy places; rare. II. Amberley Wild Brooks, *Bot. Sus.* III. Henfield Levels, *Hb. Bor.* IV. Nr. Lewes, *U.* Nr. Haywards Heath. Nr. Ouse Viaduct, *H.H.* VII. By the side of clear streams, nr. Tunbridge Wells, *Bot. Sus.* Wet places about Tunbridge Wells, freq., *E.J.*

S. GRAMINEA, L. Lesser Stitchwort. P. 5-8.—Hedges and bushy places; com.

S. ULIGINOSA, L. Bog Stitchwort. A. 5-6.—Ditches and wet places; rather com.

ARENARIA TENUIFOLIA, L. Fine-leaved Sandwort. A. 5-6.—Downs; rare. I. W. side of Goodwood Park Wall, *R. T. Bree;* *Hb. Bor.* Stoke Firs, W. Stoke, *Bor. MSS.* Bow hill, *Hb. C.* III. Downs, Stanmer, *E. M. Day.*

A. TRINERVIS, L. Three-ribbed Sandwort. A. 5-6.—Moist hedge banks and damp woods; com.

A. SERPYLLIFOLIA, L. Thyme-leaved Sandwort. A. 5-9.—Walls, banks, and waste ground; com.

- Var. *LEPTOCLADOS*, *Guss.*—Com. throughout the county.
- Var. *GLUTINOSA*, *Koch.*—V. Eastbourne Beach, 1887, *Mrs. R. Oakeshott.*
- HONKENEYA PEPLOIDES**, *Ehrh.* Sea Purslane. P. 6-9.
—Sandy and pebbly shores; not com. I. Aldwick. Earnley, *E.S.M.* W. Wittering, *Rev. J. W. Parrington.* II. Littlehampton, 1885. III. Shoreham. Aldrington. Kingston, *Hb. B.* IV. Newhaven, *U.* VI. Camber Sands, abund., *B.*
- SAGINA MARITIMA**, *Don.* Sea Pearlwort. A. 5-8.—Seaside waste; loc., but occurs all along the coast.
- S. APETALA**, *L.* Small-flowered Pearlwort. A. 6-9.—Dry Fields and walls; very com.
- S. CILIATA**, *Fries.* Ciliated Pearlwort. A. 6-7.—Dry places; not com. I. East Wittering, *Hb. T.* Sandy fields, Lavington, and bet. Graffham and Heyshott, *E.S.M.* II. Wall top nr. Greatham Church, *E.S.M.* III. Henfield. Hassocks Gate, *H.* Downs nr. Bevendean, 1896, *T.H.* V. Top of a wall at Littlington, *R.* VII. Roadside nr. Ashurst Wood, East Grinstead, 1891, *C.E.S.*
- S. PROCUMBENS**, *L.* Procumbent Pearlwort. P. 5-9.—Damp places; very com.
- S. SUBULATA**, *Wimm.* Awl-leaved Pearlwort. P. 6-8.—Damp sandy places; rare. I. Westbourne Common, *A.* II. St. Leonard's Forest, *Bot. Sus.* VII. Forest Row, *Hb. Bor.* Ashdown Forest, in a warren E. of Kidbrook Park, *Coleman.*
- S. NODOSA**, *Meyer.* Knotted Pearlwort. P. 7-8.—Damp sandy and gravelly places; not com. I. Gravel pit, Ham-brook, Funtington, 1880. III. Nr. Ditchling, *M.* IV. Offham Chalk Pit, *U.* V. Top of the Downs, nr. Berwick, abund., *R.* VI. Robertsbridge. Nr. Camber Castle, loc. com., *B.* VII. Wet places nr. Tunbridge Wells, freq., *E.J.*
- SPERGULA ARvensis**, *L.* Corn Spurrey. A. 6-8.—Cult. waste ground; not uncom.
- SPERGULARIA RUBRA**, *L.* Field Sand Spurrey. A. 6-9.—Dry sandy and gravelly places; com.
- S. NEGLECTA**, *Syme.* Lesser Sea Sand Spurrey. A. 6-9.—Seaside waste; rather com. I. Thorney. Prinsted. Dell Quay. Earnley. Pagham, *E.S.M.* II. Littlehampton. III. Sea marsh, Shoreham. Worthing, *O.* IV. Ouse district, *H.* V. Nr. Eastbourne, *R.* VI. Camber, *B.*
Var. *GLANDulosum*, *Druce.*—I. Thorney. Earnley, Pagham. The prevailing form in that district, *E.S.M.*
- S. MARGINATA**, *Syme.* Greater Sea Sand Spurrey. P. 6-9.—Muddy, salt marshes; very com.

ILLECEBRACEÆ.

SCLERANTHUS ANNUUS, *L.* Annual Knawel. A. 7-9.—Cult. and waste ground; com.

PORTULACACEÆ.

MONTIA FONTANA, *L.* Water Blinks. A. 5-8.—Moist commons; rather rare. I. Westbourne Common. Midhurst Common. II. Redford, *H.E.F.* III. Nr. Brighton, *M.* IV. Berwick Common, *E.E.* Chailey Common, 1900, *C.E.S.* V. Milton Hyde. Nr. Mitchelham, *R.* VI. E.R. district, rare, *B.* VII. About Tunbridge Wells, very com., *E.J.*

Var. *RIVULARIS*, *Gmel.*!—I. In a rill at Westbourne, *A.* Cowdray Park, nr. Queen Elizabeth's Oak, 1890, *A.* III. Henfield, *H.* Rapidly becoming naturalised.

***CLAYTONIA PERFOLIATA**, *Don.*! Perfoliate Claytonia. A. 5-7. Waste ground; alien; rare. III. Henfield, *Syme.* IV. Plumpton, *E.E.* Obs.—A plant of Western North America.

TAMARISCACEÆ.

***TAMARIX ANGLICA**, *Webb.*! English Tamarisk. Sh. 7-9.—Planted in many places all along the coast; almost naturalised.

ELATINACEÆ.

ELATINE HEXANDRA, *DC.* Hexandrous Water-wort. A. 8-9.—On mud at the bottom of ponds; very rare. IV. Maresfield Mill Pond, *Hb. C.* Great Pond, Piltdown, 1900, *T.H.* VII. On the shore of the great pond by Tilgate House, *Bor. MSS.* Eridge Park, *W. W. Reeves.*

HYPERICACEÆ.

HYPERICUM ANDROSÆMUM, *L.* Tutsan. P. 6-8.—Woods and hedges; not com. except in the Weald. I. Woods nr. Midhurst, freq., *H.E.F.* Harting, *W.* Watergate. Slindon, *Hb. C.* Oakwood, nr. Chichester. Barlavington. Lavington, scarce on the gault, *E.S.M.* II. Nr. Horsham, *G.B.H.* III. Nr. Bolney, *M.* Nr. Haywards Heath, *H.H.* IV. Copses, Fletching, *N.J.T.* Buxted, *S.E.* Nr. Lewes, *U.* Nr. Chailey Common, *H.H.* Bet. Balcombe Station and Whitehouse Farm, 1896, *C.E.S.* V. Gnat Wood, Eastbourne, *R.* Nr. Ashburnham Park and Catsfield, freq., 1895, *E. S. Salmon.* VI. Nr. Hastings, *B.* VII. Tilgate Forest, *J.L.* Crowborough, *Hb. B.* About Harrison's Rocks and elsewhere nr. Tunbridge Wells, not uncom., *E.J.*

H. PERFORATUM, *L.* Perforated St. John's Wort. P. 7-9.—Hedges and roadsides; com.

- H. DUBIUM**, *Leers!* Imperforate St. John's Wort. P. 7-9. Woods; rare. I. Roadside by the Pottery, Lavington, *E.S.M.* II. St. Leonard's Forest, *H.* III. Nr. Wiston, *Bot. Sus.* IV. Kingston, nr. Lewes, *U.* Chailey Bog, *E.E.* V. Wood bet. Waldron and Heathfield, *E.E.* VI. Heathfield and north of Frant, *E.E.* VII. Nr. Felbridge and about East Grinstead, freq., 1895, *C.E.S.*
- H. TETRAPTERUM**, *Fries.* Square-stemmed St. John's Wort. P. 7-9.—Ditches and wet meadows; com. in all the districts.
- H. HUMIFUSUM**, *L.* Trailing St. John's Wort. P. 7-9.—Downs and heaths; com.
- H. PULCHRUM**, *L.* Upright St. John's Wort. P. 7-9.—Woods and hedges; com.
- H. HIRSUTUM**, *L.* Hairy St. John's Wort. P. 7-9.—Woods and hedges, especially on the chalk; com. Obs.—Scarce in the Hastings district, *B.*
- H. MONTANUM**, *L.!* Mountain St. John's Wort. P. 7-9. Woods and bushy places; rare. I. Wood nr. Stedham Mill, *H.E.F.* W. Stoke, 1886, *F.T.* Racton, 1880, *A.* IV. Lewes, on the Cliff hill, in a bushy place nr. the Coombe, *U.*
- H. ELODES**, *L.* Marsh St. John's Wort. P. 7-8.—Spongy bogs; not com. I. Harting, *W.* Fittleworth Fleet, *A.* Lavington Common, *Dr. Paxton.* II. Three-cornered pond nr. Redford, *H.E.F.* Amberley, *Clarkson.* St. Leonard's Forest, *G.B.H.* Chiltington Common. III. Nr. Henfield, *M.* Pond on Ditchling Common, *H.H.* IV. Chailey, *Miss F. Jewell.* Pools on Haywards Heath, *S.E.* V. Bog on Waldron Down, with Sibthorpia, *Coleman MS.* Nr. Heathfield, *R.* VI. Guestling, *B.* VII. Ashdown Forest, *N.B.G.* Nr. Crowborough, *Hb.* B. Forests nr. Tunbridge Wells, com., *E.J.*

MALVACEÆ.

- ALTHÆA OFFICINALIS**, *L.* Marsh Mallow. P. 8-9.—Salt marshes and river sides; not com. westward. I. Nr. Aldingbourne, *E.H.D.* Ichenor, nr. Bognor. Pilsey, 1892, *A.* II. By the Arun bet. Arundel and Burpham, abund., *A.* Nr. the Sluice, Ferring, *Hb.* D. IV. Alfriston, *Hb.* B. V. By Exect Bridge, *Hb.* Bor. Pevensey Marsh. Hailsham Marsh, nr. Horse-Eye. Banks of Cuckmere, nr. Westdean. Bexhill, *R.* VI. Nr. St. Leonards, *O.* Fen ditches nr. Hastings in profusion, *Bromfield.* Rye, *B.*

- LAVATERA ARBOREA**, *L.* Tree Mallow. B. 7-9.—Sea coast; not uncom., usually nr. gardens, and probably escapes.

- MALVA MOSCHATA**, *L.* Musk Mallow. P. 6-7.—Woods and banks; rather com., especially nr. the chalk.

- M. SYLVESTRIS, *L.* Common Mallow, *S.* Cheese-flower. P. 6-9. Roadsides; very com.
- M. ROTUNDIFOLIA, *L.* Dwarf Mallow. P. 6-7.—Road-sides and waste places; rather com., especially in W. Sussex.
- M. BOREALIS, *Walton.* Small-flowered Mallow. A. 8-9.—Seaside waste; very rare. I. Nr. Arundel, 1895. III. Waste places bet. Patcham and Standean, 1899, *T.H.* Broadmere Common, Henfield, 1894, *T.H.* Shipley, *E.E.* IV. Plumpton and Berwick, *E.E.* Waste ground nr. Horeham Road Station, *C.E.S.* V. Discovered in Sussex, Sept., 1875, on the sea beach bet. St. Leonards and Bexhill, by Mrs. B. M. Oakeshott, who sent me specimens. First noticed in England nr. Hythe, Kent, in the last century by Hudson.
- M. PUSILLA, *Sm.*—I. Fishbourne Tide Mill, casual. II. Farm Yards, Amberley, introduced with foreign grain, *E.S.M.*

TILIACEÆ.

- TILIA GRANDIFLORA, *Ehrh.* Large-leaved Lime. Tr. 6-7.—Woods; rare. III. One ancient tree on the N. side of Chanctonbury Hill, *Hb. Bor.*
- T. INTERMEDIA, *DC.* Common Lime. Tr. 6-7.—Woods and roadsides, planted; com.
- T. PARVIFOLIA, *L.* Small-leaved Lime. Tr. 7-8.—Woods; rare. II. Slinfold, *Hb. Bor.* IV. Bet. Balcombe and Ardingly, 1893, *A.J.C.*

LINACEÆ.

- RADIOLA MILLEGRANA, *Sm.* R. *linoides*, *Roth.* Flax-seed. All-seed. A. 6-8.—Damp places on sandy and gravelly heaths; rather rare. I. Elsted, *F.V.P.* Petworth, *Hb. B.* Midhurst Common. Duncton Common. Ambersham Common, *E.S.M.* II. Redford, *H.E.F.* III. Balcombe, *M.* IV. Chailey Common, *U.* V. Nr. Mill Wood, Bexhill, *R.* Bet. Little Common and the sea, 1895, *C.E.S.* Eridge and Heathfield, *E.E.* VI. Fairlight. Guestling Wood, *B.* VII. Ashdown Forest, *U.* Starve-mouse Plain, *Hanson.*

LINUM CATHARTICUM, *L.* Purging Flax. P. 6-9.—Downs and dry pastures; very com.

- L. ANGUSTIFOLIUM, *Huds.* Narrow-leaved Flax. P. 6-9. Downs and waysides, especially nr. the sea; not com. westward. I. Bosham, *J.G.H.* Bet. Sidlesham and Pagham, *E.S.M.* II. Rusper, *E.E.* III. Cliffs towards Southwick and Kingston, abund., *Salmon.* Aldrington, *M.* Roedean, nr. Rottingdean, *J. L. Warren*, in list to *W.B.H.*, 1874. IV. Ringmer, *N.B.G.* Nr. Newhaven, *U.* V. Banks nr. Friston Church. Nr. Pevensey Castle.

Bexhill, *R.* Nr. Lumley Mill, 1897, *A.* Eastbourne, *R.* VI. St. Leonards. Ecclesbourne Glen, *O.* Pett Level. Guestling, *B.* Mayfield, *E.E.* VII. Nr. Starvemouse Plain, *Hanson.* Nr. Tunbridge Wells, *E.J.*

L. *USITATISSIMUM*, *L.* Common Flax. A. 7-8.—Corn-fields and waste places; rather rare. I. Hermitage, cult. ground, 1886. Donnington, 1889. II. Arable field, Ferring, *Hb. D.* III. Nr. Brighton, *M.* IV. Lewes, amongst corn on the Downs, freq., *U.* V. Eastbourne, bet. Railway Terminus and Waterworks. Top of Downs nr. Racecourse, *R.* VI. Eridge, *E.J.*

GERANIACEÆ.

GERANIUM *PHÆUM*, *L.* Dusky Crane's-bill. P. 6-7.—Waste ground, an escape; rare. I. Nr. Chichester. III. Known for years in a dry ditch by the entrance to Wiston Park, 1883, *T.H.* Clapham, Worthing, 1903, *Rev. A. A. Evans.* IV. Malling nr. Lewes, 1878, *J.H.A.J.* Lane nr. Mark Street, Fletching, *N.J.T.*

G. *PRATENSE*, *L.* Blue Meadow Crane's-bill. P. 6-8.—Waste places; rare. I. Meadow at Arundel, 1901, *H.C.M.* III. Neighbourhood of Poynings, *M.R.* Saddlescombe, 1903, *Miss M. Robinson.* Railway embankment north of Hassocks Station, *T.H.* IV. Side of copse, nr. Plumpton, 1878, *Hb. B.* Marshes above Lewes, *E.E.*

G. *PYRENAICUM*, *L.* Mountain Crane's-bill. P. 6-8.—Roadsides and waste places, usually introduced; very rare. I. Bet. Chilgrove and West Dean, *Hb. C.* Chichester. Chichester Cathedral yard, abund., 1874. Waste ground by Bosham Station, *A.* Clover field, Selham, *E.S.M.* Roadside bet. Burton Park and Petworth Station, *E.S.M.* III. Chalk mounds, Pangdean, *T.H.* Henfield, abund., *H.H.* Nr. Patcham, *H.H.* IV. Abund. on the railway nr. Hassocks Gate, *H.* Railway nr. Lewes, *E.E.* V. Nr. Bexhill, *R.* VII. Nr. Three Bridges Station, 1898, *C.E.S.*

G. *MOLLE*, *L.* Dove's-foot Crane's bill. A. 6-9.—Cult. and waste ground; very com.

G. *PUSILLUM*, *L.* Small-flowered Crane's-bill. A. 6-9.—Dry, waste places; not com. I. Nr. Midhurst, *H.E.F.* Westhampnett. Hunston, *A.* Coates. Graffham, *E.S.M.* III. Nr. Brighton, *M.* V. Michel Dean. Roadside nr. Eastbourne, rare, *R.* VII. About Tunbridge Wells, freq., *E.J.*

G. *DISSECTUM*, *L.* Cut-leaved Crane's-bill. A. 5-8.—Fields and banks; com.

G. *COLUMBINUM*, *L.* Long-stalked Crane's-bill. A. 6-7.—Open woods and dry banks; not com. I. Aldsworth. Adsdean, Raeton, freq., *A.* Funtington, *H.H.* William Wood, Stoughton. Stansted Woods, 1874, *A.* Arundel,

- 1900, A. II. Warningcamp. Washington Common, *E.E.*
 III. Downs nr. Cissbury, *O.* Patcham, *Hb.* *B.* Path to
 Ovingdean and Race Hill, Brighton, *H.H.* IV. Copses
 nr. Lewes, *J.H.A.J.* Buxted, *E.E.* V. Nr. Eastbourne,
 rare, *R.* VII. About Tunbridge Wells, *E.J.*
- G. LUCIDUM, *L.!* Shining Crane's-bill. A. 5-7.—Walls
 and dry banks; very rare. I. Wall at Lavington, 1885
 (since destroyed), *F.V.P.* III. Vicarage garden, Wood-
 mancote (weed), *H.* Bank at Henfield, abund., *M.R.*
 Side of London Road, Hassocks, spreading on a bank near
 the station. Henfield, abund., probably escaped from
 Borrer's old garden, *C.E.S.*, 1901. IV. Uckfield, *E.E.*
 V. Side of the path from Bexhill Church to Bulver-
 hythe Level, *R.* VII. Sandy bank, East Grinstead, 1895,
C.E.S.
- G. ROBERTIANUM, *L.* Herb Robert. A. 5-9.—Hedge
 banks; com.
- Var. PURPUREUM, *Jord.* Shingles.—I. Cockbush, 1879.
 Abundant on shingles bet. Pagham and Selsey, 1901,
E.S.M. III. Shoreham, 1885. V. Bopeep. Bulverhythe,
B. Nr. St. Leonards, *O.* VI. Pett. Rye Harbour, *B.*
- Var. MODESTUM, *Jord.!* Shingles.—V. Beyond the
 Redoubt. Nr. Red House, Pevensey, *R.*
- ERODIUM CICUTARIUM, *Herit.* Hemlock Stork's-bill.
 B. 6-9.—Gravelly and sandy fields and banks; com., and
 found in all the districts.
- E. MOSCHATUM!, *Herit.* Musky Stork's-bill. A. 6-7.—
 Waste places. II. West end of Pulborough, *Bot. Sus.*
 VI. Formerly on the rocks, Hastings, *Bot. Sus.* Extinct?
- B.
- E. MARITIMUM, *Sm.!* Sea Stork's-bill. B. 5-9.—Waste
 places by the sea; very rare. I. Bognor. Clymping, *H.*
 III. On the low cliffs to the W. of Shoreham, *M.*
- OXALIS ACETOSELLA, *L.* Common Wood Sorrel. P. 5-6.
 Woods and shady places; com.
- *O. CORNICULATA, *L.* Procumbent Yellow Sorrel. A.
 6-9.—Cult. ground; occas. as a weed in gardens.
- *IMPATIENS FULVA, *Nutt.!* Orange Balsam. A. 8-9.—
 Damp places; introd.; rare. I. Nr. Runcton, *E.H.D.*
 III. Henfield, *H.*

ILICACEÆ.

ILEX AQUIFOLIUM, *L.* Common Holly, *S.* Holm.
 Christmas. Tr. 5-6.—Woods and hedges; com.

CELASTRACEÆ.

EUONYMUS EUROPÆUS, *L.* Spindle Tree. Sh. 5-6.—
 Wood and hedges; com.

RHAMNACEÆ.

RHAMNUS CATHARTICUS, L. Purging Buckthorn. Sh. 5-6.—Woods and copses; not com. I. Harting, freq., W. Selham, S.E. Chilgrove, F.V.P. Hounsome's Copse, Ashling. Charlton. Hedges nr. Petworth, 1784, *Walpoole*. II. Nr. Findon, W.H.B.F. Copse on Downs nr. Amberley, 1899, C.E.S. III. Downs N. of Sompting and nr. Bramber, W.H.B.F. Nr. Brighton, M. IV. On the lower Offham road in Oxstedde Bottom, U. V. Nr. Sherman's Bridge, Berwick. Bet. Polegate and Wilmington, R. VI. Hastings district, rare, B. Westfield, J.H.A.J.

R. FRANGULA, L. Alder Buckthorn. Tr. 5-7.—Woods; not uncom. I. Nr. Midhurst, H.E.F. On the clay and the sand in the Nye Woods, the Severalls, and at West Heath, Harting, W. Stansted Woods. Oakwood, abund. On the Broyle, Chichester. Lavington, Dunton, and Coates Commons, E.S.M. Wood nr. the Aldermere, Westbourne, A. III. Poynings, W.M. IV. In a shaw nr. E. Hoathly, U. By Great Pond, Horsted Keynes, W.W. V. Abbot's Wood, W.H.B.F. VI. Guestling. Hastings district, very com., B. VII. Woods nr. Tunbridge Wells, com., E.J. Obs.—Largely employed in olden times at Battle, in the manufacture of gunpowder.

SAPINDACEÆ.

ACER PSEUDO-PLATANUS, L. Sycamore. Tr. 5-6.—Hedges and plantations; com.

A. CAMPESTRE, L. Common Maple. Tr. 5-6.—Woods and hedges; com.

LEGUMINIFERÆ.

ULEX EUROPAEUS, L. Common Furze. Gorse. Sh. 2-7.—Downs, heaths, hedges; very com.

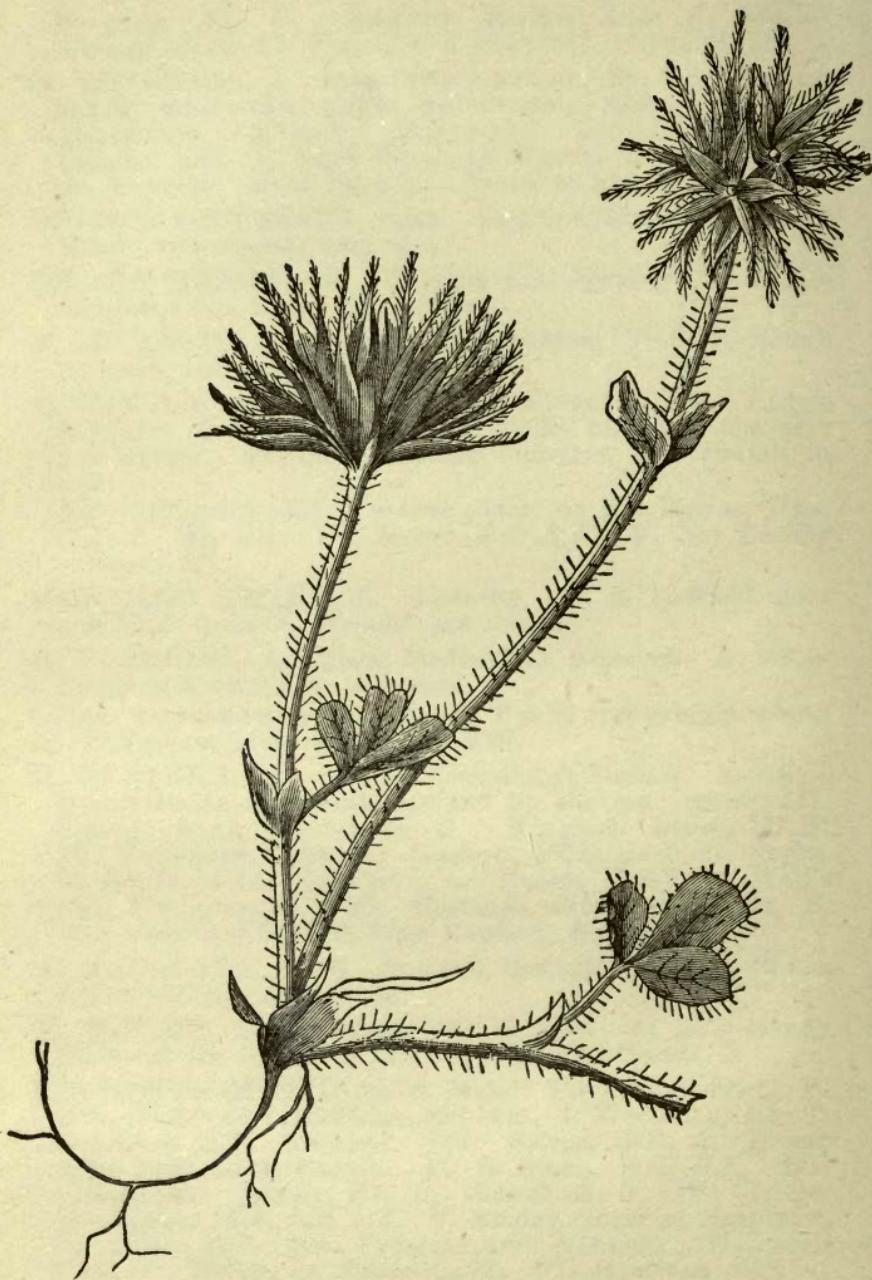
U. GALLII, Planchon! Planchon's Furze. Sh. 7-11.—Downs and heaths; rare. II. West Chiltington Common, 1903, T.H. V. Heathy ground nr. Heathfield, 1878, R.

U. NANUS, Forster. Dwarf Furze. Sh. 7-11.—Heaths and commons; not uncom. I. Nr. Midhurst, H.E.F. Graffham Common, E.S.M. Aldsworth Common. III. Ditchling, H. Nr. Brighton, Hb. B. IV. Chailey Common. Abund. in the Weald, U. V. Bexhill Common. Milton Hyde, R. VI. Hastings district, com., B. VII. Ashdown Forest, Coleman. Forests nr. Tunbridge Wells, com., E.J.

GENISTA ANGLICA, L. Needle Furze. Petty Whin. Sh. 5-6.—Woods and commons; com.

G. PILOSA, L. Hairy Greenweed. Sh. 5-9.—Dry heaths; rare. II. St. Leonards Forest, Bromfield. VII. Crow-

- borough, *Hb. C.* Ashdown Forest, *Miss A. Wallis.*
Several places nr. Nutley and Hartfield, plentiful, *H.*
- G. TINCTORIA, L.** Dyers's Greenweed. Sh. 7-8.—Downs, woods, and waste places by the sea; rather com. I. Hermitage. Racton. Petworth. The Hurst. III. Clayton Hill. V. Gnat Wood, nr. Beachy Head. Shingles nr. Langley. Near Berwick. Wood at Crowhurst, *R.*
- CYTISUS SCOPARIUS, Link.** Common Broom. Sh. 4-6. Woods and copses; very com.
- ONONIS SPINOSA, L.** Upright Rest Harrow. P. 6-9.—Commons and waste places; com.
- O. ARVENSIS, L.** Common Rest Harrow. P. 6-9.—Rough pastures and roadsides; com.
- ANTHYLLIS VULNERARIA, L.** Kidney Vetch. Lady's Fingers. P. 6-8.—Downs, and chalky banks by the sea; not uncom. Found in all the districts, and abund. in some.
Var. *DILLENII*!—III. Various places on the Downs, *Hon. J. L. Warren.* IV. Lewes, *J.H.A.J.* V. Nr. Beachy Head, *R.*
- MEDICAGO SATIVA, L.** Lucerne. P. 6-7.—Field sides and chalk quarries; casual, not uncom.
- M. LUPULINA, L.** Black Medick, S. Nonsuch. A. 5-8.—Fields and waysides; very com.
Var. *WILLDENOWIANA, Koch.*—I. Banks and shingles about Sidlesham with the type, *E.S.M.*
- M. DENTICULATA, Willd.** Reticulated Medick. A. 5-8.—Sandy banks and waste ground by the sea; rare. III. Shingle bank, Shoreham, *O.* Kingston Beach, *H.H.* IV. Newhaven Harbour. Seaford, 1845, *Herb. R. Pryor.* V. Banks of the Cuckmere, nr. Exceat. Bank nr. Wall's end, Pevensey, *R.* VI. Hastings, *Hb. Bor.* Pett, *B.* Rye, eastward towards New Romney, *Bot. Sus.*
- M. MACULATA, Sibth.** Spotted Medick. A. 5-8.—Banks and roadsides; not uncom.
- M. MINIMA, Lam.** Little Bur Medick. A. 5-7.—Sandy places by the sea; very rare. VI. Camber Sands, *B.*
- MELilotus OFFICINALIS, Willd.** Common Melilot. B. 6-8.—Fields and roadsides; not com. I. Westdean, *Hb. T.* Graffham, *S.E.* Thorney, 1891. Selsey, 1904, *A.* Forest Side, 1893, *Mrs. Parson.* II. S. Stoke, *W.H.B.F.* III. Cliftonville. Danny, *Hb. B.* Shoreham, *O.* IV. Glynde, *U.* Lewes, 1878, *J.H.A.J.* V. Among clover at Eastdean, 1855, *Hb. Bor.* Bet. Polegate and Wannock. Hollywell Quarry. Hedge nr. Berwick, *R.* VI. Hastings district, rare, *B.* VII. About Tunbridge Wells, freq., *E.J.*
- ***M. ALBA, Lam.** White Melilot. B. 6-8.—Waste ground; rare. I. Bosham, 1877, *H.H.* Field nr. Southbourne Church, abund., 1880 Near the Round House, Hermitage,



TRIFOLIUM STELLATUM.

1900, A. III. Sides of road, Shoreham, O. IV. Nr. the river, Lewes, 1878, *J.H.A.J.* V. Downs nr. Berwick, amongst lucerne, R.

M. ARVENSIS, *Wallr.* Field Melilot. B. 7-8.—Cult. ground and roadsides; rare. I. Selsey. Bognor. Hermitage, 1901. Roadside nr. Westbourne Cemetery, 1893. Sutton. Midhurst. Thorney, A. II. Along the bank of the Arun, bet. Arundel and Burpham, 1875. III. Hurstpierpoint, *Hb. D.* Pyecombe, *Hb. B.* Shoreham, 1880, *Rev. W. R. Linton.* IV. Seaford and Telscombe, *E.E.* V. Nr. Willingdon Quarry, R.

M. PARVIFLORA, *Desf.* Small-flowered Melilot. A. 7-8.—Waste places. I. Hermitage, nr. the mouth of the Ems, in some quantity, probably introduced, 1888, A.

TRIGONELLA ORNITHOPODIOIDES, *DC.* Bird's-foot Fenugreek. A. 6-7.—Gravelly banks and wastes, usually nr. the sea, occas. inland; not com. I. Bracklesham, *Bot. Sus.* Prinsted Common, abund., 1886. Pagham, 1901, *E.S.M.* II. Heaths nr. Storrington, *Bot. Sus.* Littlehampton Beach, 1885. III. Nr. Aldrington turnpike, plentiful, *M.* IV. Nr. Lewes, *U.* V. Banks bet. Langley and Walls end. Bet. St. Leonards and Bexhill, R. VI. Pett. Camber, *B.*

TRIFOLIUM SUBTERRANEUM, *L.* Subterranean Trefoil. A. 5-6.—Amongst turf on parks and commons, also by the sea; com.

T. PRATENSE, *L.* Red Clover. P. 5-9.—Pastures and roadsides; very com.

Var. **SYLVESTRE**.—I. Ichenor Park, *A.F.* III. Nr. Lewes, *J.H.A.J.*

Var. **PARVIFLORUM**.—I. Appledram, *Hb. C.* III. Nr. Lewes, *J.H.A.J.*

T. MEDIUM, *L.* Zigzag Clover. P. 5-9.—Meadows and roadsides; locally not uncom.

T. OCHROLEUCUM, *Huds.* Sulphur-coloured Trefoil. P. 6-7.—Dry places; rare. II. By the side of the road leading from Handcross to Horsham, through Lower Beeding, August, 1894, *C. S. Nicholson.*

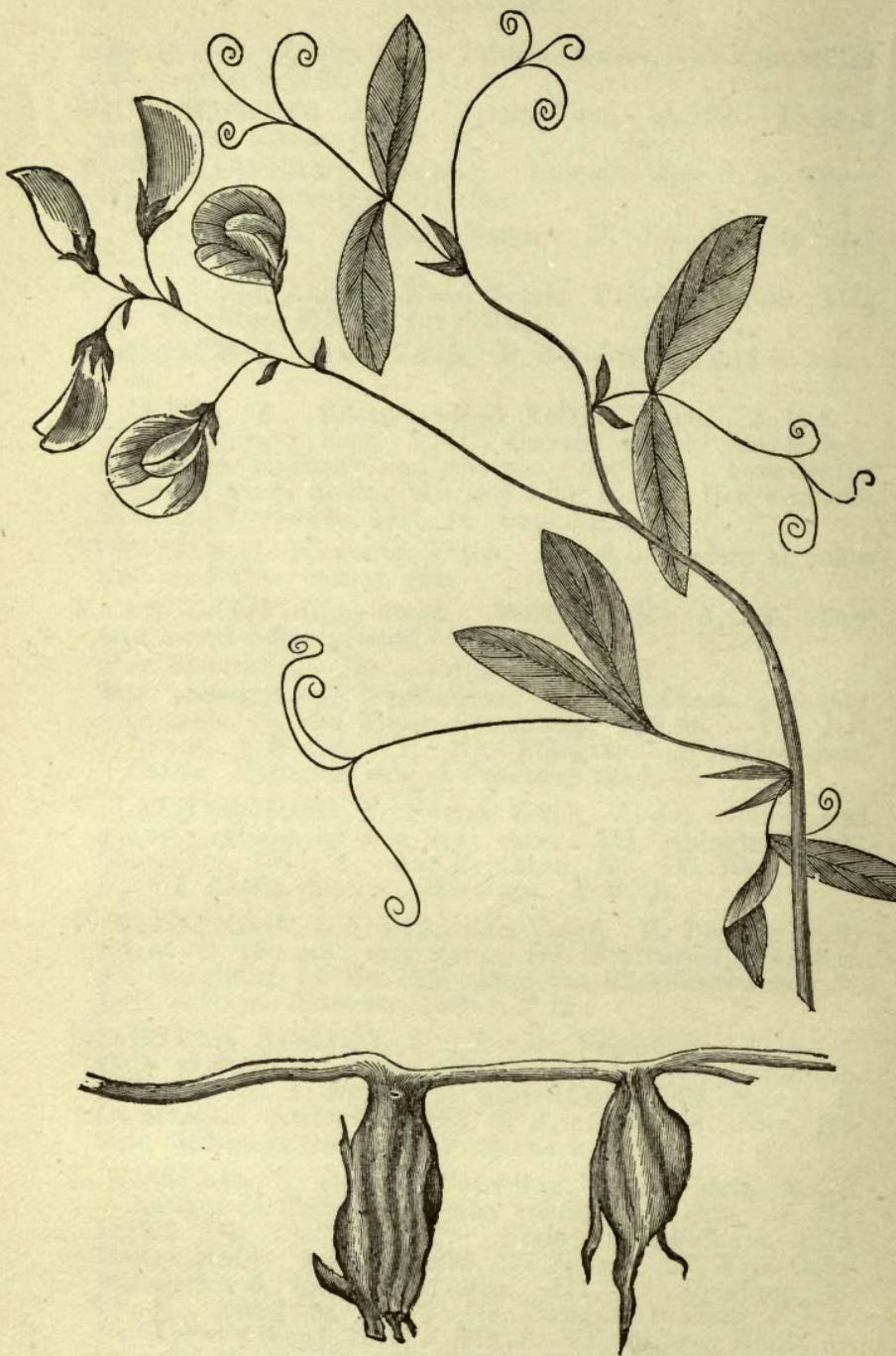
***T. STELLATUM**, *L.* Starry-headed Trefoil. A. 7-8.—Shingles; very rare. “Perfectly naturalized on the ballast along Shoreham Harbour, where it has maintained its position since 1804,” *Syme.* Plentiful there, 1884, *O.* A long patch of it at Shoreham, July 10th, 1896, *Mrs. S. Butcher.*

T. MARITIMUM, *Huds.* Teasel-headed Trefoil. A. 6-7.—Grassy banks by the sea; rare, especially eastward. I. Dell Quay, *N.B.G.* Selsey. Abund. bet. Sidlesham and Pagham, *E.S.M.* III. Shoreham, *Hb. B.* Nr. Brighton, *M.* IV. Seaford, *U.* Newhaven Harbour, 1883, *A.* Plumpton, *E.E.* V. Hailsham, 1846, *Hb. Bor.* Amongst

- grass on the shingles beyond Pevensey, *R.* V. Cuckmere Haven, *E.E.* VI. Winchelsea, 1886, *B.*
- T. INCARNATUM, L.** Crimson Clover. A. 6-7.—Borders of fields, escapes; com.
- T. ARVENSE, L.** Hare's-foot Trefoil. A. 7-9.—Cult. fields and sandy sea waste; not com. I. Iping. Nr. Midhurst, *H.E.F.* Pilsey, 1892. Watersfield, 1896. Coast, Pagham, plentiful, *A.* Lynchmere, 1902, *Mrs. Parson.* II. Nr. Littlehampton, *Hb. C.* Pulborough. III. Shoreham, *O.* Aldrington, *M.* IV. Barcombe, *U.* V. Nr. first sluice bridge, Eastbourne, rather rare, *R.* VI. Camber, *B.* VII. Cornfields and rocks about Tunbridge Wells, freq., *E.J.*
- T. STRIATUM, L.** Soft Knotted Trefoil. A. 6-7.—Sandy places by the sea; not com. westward. I. Thorney, nr. the Churchyard. Pagham, *E.S.M.* II. Littlehampton Beach, abund. III. Shoreham. Cliftonville, *O.* Aldrington and elsewhere nr. Brighton, *M.* IV. Barcombe, *U.* Berwick Common, *E.E.* Broadwater, *S.B.* V. Shingles nr. first sluice bridge, Eastbourne, *R.* VI. Camber, *B.*
- T. SCABRUM, L.** Rough rigid Trefoil. A. 5-7.—Sandy places and shingles; rather rare westward. I. Clymping Sands, *E.S.M.* II. Littlehampton, 1885. III. Shoreham, 1885, *A.* Cliftonville. Portslade, *O.* Nr. Brighton, com., *Hb. B.* IV. Newhaven, com., *U.* Seaford, *J.H.A.J.* V. Shingles, Eastbourne. Pevensey. Beachy Head, *R.* Hills south of Berwick, *E.E.* VI. Pett. Camber, *B.*
- T. GLOMERATUM, L.!** Smooth Round-headed Trefoil. A. 6-7.—Sandy and gravelly waste; very rare. III. Nr. Brighton, *M.* V. Bet. St. Leonards and Bexhill, *R.* VI. Hastings. Pett, rare, *B.*
- T. SUFFOCATUM, L.** Dense-flowered Trefoil. A. 5-6.—Waste places on the coast; very rare. I. Hermitage. Thorney, *A.* Com. on the coast. Meadow at Graffham on the gault, *E.S.M.* II. Littlehampton, *W. W. Reeves.* V. Boopé, nr. the Railway Bridge, 1887, *Moyle Rogers.* VI. Rock above Hastings, *Hb. Bor.* Pett Level. Camber, beyond sand hills, loc. abund., *B.*
- T. HYBRIDUM, L.** Alsike Clover. P. 7-9.—Fields and waysides; waif of cultivation, yearly increasing throughout the county.
- T. REPENS, L.** Dutch Clover. P. 5-9.—Pastures and waysides; very com.
- T. FRAGIFERUM, L.** Strawberry-headed Trefoil. P. 6-8.—Damp meadows and waste ground, especially by the sea; com.
- T. PROCUMBENS, L.** Hop Trefoil. A. 6-8.—Fields and waste ground; com.
- Var. *MAJUS*, *Koch.*—I. Sandy cornfield nr. Norwood Farm, Lavington, 1901; heads large, with golden flowers, *E.S.M.*

- T. MINUS, *Relhan.* Lesser Yellow Trefoil. A. 5-6.—Dry places, roadsides and cult. ground; very com.
- T. FILIFORME, *L.* Slender Yellow Trefoil. A. 5-7.—Amongst turf on commons and by waysides; rather rare. I. Nr. Midhurst, *H.E.F.* Thorney. Prinsted Common. III. Nr. Brighton, *M.* Broadwater Common, *S.B.* Hassocks and Henfield, *H.H.* IV. Downs nr. Lewes, *U.* Fletching, *N.J.T.* Seaford, *Hb.* *B.* Plumpton, *E.E.* V. Gnat Wood, rare, *R.* VI. Guestling, rather com., *B.* VII. About Tunbridge Wells, *E.J.*
- LOTUS CORNICULATUS, *L.*** Common Bird's-foot Trefoil, *S.* Shoes and Stockings. P. 6-8.—Roadsides and waste places; very com.
- L. TENUIS, *Kit.* Slender Bird's-foot Trefoil. P. 6-8.—Banks and borders of fields; not com. I. Woolbeding, *H.E.F.* Hounsome's, Ashling, 1880, *A.* In profusion about Pagham. Downs nr. Heyshott, *Salmon*, sp. II. Cowfold, *Hb.* *C.* III. Nr. Brighton, *M.* IV. Seaford, *U.* V. Wilmington. Tut Barn, Eastbourne, *R.* VI. Low place on Camber Sands, *B.*
- L. MAJOR, *Scop.* Marsh Bird's-foot Trefoil. P. 7-9.—Wet places; com.
- L. ANGUSTISSIMUS, *L.* Long-podded Small Bird's-foot Trefoil. A. 7-8.—Dry banks; very rare. VI. Hastings Castle Rock, 1836, *Hb.* *Bor.* On the rocky beach at Hastings, sp. no date, *Hb.* *C.*
- ASTRAGALUS GLYCYPHYLLUS, *L.*** Sweet Milk Vetch. Wild Liquorice. P. 6-8.—Bushy places; very rare. I. At the foot of the Downs towards Bognor, *N.B.G.* Dunton Hill, nr. the chalk pits. Barlavington Hanger, 1852, *A.* Sutton, in several hangers, abund., *H.S.* Halfway down Bury Hill, 1898, *H. C. Miller.*
- ORNITHOPUS PERPUSILLUS, *L.*** Least Bird's-foot. A. 5-7.—Sandy and gravelly banks; not com. I. Nr. Midhurst, *H.E.F.* Harting, *W.* Petworth, *Hb.* *B.* Westbourne Common, 1886, *A.* Ambersham Common towards Heyshott, *E.S.M.* Coates Common. Sutton, *A.* III. Shoreham. Nr. Brighton, *M.* IV. Barcombe, *U.* V. Nr. Eastbourne, rare, *R.* VI. Castle Hill, Hastings, *B.* VII. About Tunbridge Wells, *E.J.*
- HIPPOCREPIS COMOSA, *L.*** Horse-shoe Vetch. P. 5-7.—Downs and chalky banks; not com. in the extreme W. of the County. I. Arundel Park, *W.H.B.F.* Downs above Sutton, *E.S.M.* II. Storrington Down, abund. III. Downs behind Sompting, abund., *W.H.B.F.* Nr. Brighton, abund., *M.* IV. Lewes Downs, abund., *U.* V. Holywell Quarry, Folkestone, abund., *R.* Slopes of Beachy Head, *W.H.B.F.*
- ONOBRYCHIS SATIVA, *Lam.*** Saintfoin. Cocks-head. P. 6-7.—Downs and fields; naturalized in many places. I.

- Racton, A. Downs above Sutton, scarce, but apparently aboriginal, *E.S.M.*
- VICIA HIRSUTA**, Koch. Hairy Tare. A. 6-8.—Hedges and bushy places; com.
- V. TETRASPERMA**, Moench. Smooth Tare. A. 6-8.—Fields and waste ground; com.
- V. CRACCA**, L. Tufted Vetch. P. 7-8.—Woods and hedges; com.
- V. (SYLVATICA)**, L.! Wood Vetch. P. 6-8.—Woods. III. Nr. Brighton, *Mitten*, (doubtful).
- V. SEPIUM**, L. Bush Vetch. P. 6-8.—Woods and hedges; com.
- V. LUTEA**, L. Rough-podded Yellow Vetch. A. 6-8.—Shingles; very rare. III. On the pebbly beach bet. Shoreham Harbour and the sea, 1885, A. Frequently recorded there during the last fifty years. Bet. Cliftonville and Portslade, 1877, *O. Lancing, S.B.*
- V. SATIVA**, L. Common Vetch. A. 5-6.—Borders of fields and roadsides; casual, com.
- V. ANGUSTIFOLIA**, Roth. Wild Vetch. A. 5-6.—Dry banks and waste ground; very com.
Var. *SEGETALIS*.—The more common form.
Var. *BOBARTII*.—I. Westbourne. Nr. Graffham, probably common on the lower Greensand, *E.S.M.* IV. Nr. Lewes, *J.H.A.J.* V. Nr. Polegate. Hurstmonceux Castle. Shingles, side of Pevensey road, *R.*
- V. LATHYROIDES**, L. Spring Vetch. A. 4-6.—Sandy and gravelly places by the sea; rare. III. Shingle Beach, Shoreham, 1885, A. Nr. Brighton, *M.* IV. Nr. Lewes, *U.* VI. Castle slope nr. Hastings. *Pett, B.*
- V. BITHYNICA**, L.! Bithynian Vetch. P. 7-8.—Gravelly places nr. the sea; very rare. III. Southwick, *Hb. Bor.* Nr. Brighton, by the cliff along the Shoreham road, *M.* Cult. land nr. Stanmer, 1898-9, *T.H.*
- LATHYRUS APHACA**, L. Yellow Vetchling. A. 6-7.—Cult. ground and waste places; rare. I. Nr. Houghton, 1900, *Rev. A. A. Evans.* II. Storrington, 1903, *Miss A. E. Cummings.* Amberley, 1882, *W.J.* III. Newtimber, *Hb. Bor.* Hassocks Gate, *H.* V. Berwick, *R.*
- L. NISSOLIA**, L. Crimson Vetchling. Grass Vetch. A. 5-6.—Borders of fields and bushy places; not com. I. Nr. Lock's Ash, 1843, *Hb. T.* Field at Mundham, 1875. Mount Noddy, Ashling, 1889, *W. Jeffery.* II. Five Oaks, Billingshurst, 1897, *J. Wadey.* III. Nr. Brighton, *M.* IV. Nr. Ashcombe, *U.* V. Nr. Polegate Station, *F.B.D.* Nr. Abbot's Wood, 1878, *J.H.A.J.* VI. Railway Bank, nr. Hastings Station, *O.* Westfield. Pett, *B.* Bodiam, *Rev. J. E. Kelsall.* VII. Nr. E. Grinstead, *Hb. B.* About Tunbridge Wells, *E.J.*



LATHYRUS TUBEROSUS.

- L. PRATENSIS, *L.* Meadow Vetchling. P. 6-9.—Hedges and banks; very com.
- L. SYLVESTRIS, *L.* Narrow-leaved Everlasting Pea. P. 6-8.—Woods; rare. I. Harting, *W.* Wood end, Ashling, abund. Dunton Hill, *A.* Clymping, *E.H.D.* Bet. Bury and Westburton, *A.* In several places on the chalk nr. Sutton, *E.S.M.* II. Nr. Parham, *F.V.P.* Hedge row bet. Rackham and Amberley, *W.H.B.F.* III. Poynings, *N.B.G.* VI. Fairlight, *B.*
- L. TUBEROSUS, *L.* Peas Earth-nut. P. 8.—Hedges and fields; very rare. V. Shingle Beach, Eastbourne, nr. the Tramway, August, 1888, when it was discovered in full bloom by *R. D. Postans*, who sent me a specimen. Obs.—It was first found in England at Fyfield, nr. Chipping Ongar, in Essex. See Appendix.
- L. MARITIMUS, *Bigel.* Sea Pea. P. 7-8.—Shingly beaches; very rare, formerly more com. III. Worthing, *Helyer.* IV. On the beach at Seaford, *Hb. Bor.* V. Pevensey, *S.E.* Shingles, nr. Red House, *R.* VI. Hastings, *Ray.* Pett, *Hb. B.* Winchelsea, *Helyer.*
- L. MACRORRHIZUS, *Wimm.* Tuberous Bitter Vetch. P. 4-6.—Woods; very com.

ROSACEÆ.

- PRUNUS SPINOSA, *L.* Blackthorn. Sloe, *S.* Winterpick. Sh. 3-4.—Woods and hedges; very com.
- P. INSITITIA, *L.* Bullace. S. Scad. Sh. 4-5.—Woods and hedges; not com. I. Nr. Petworth. II. Ferring. Preston, *Hb. D.* III. Nr. Brighton, *M.* IV. Ringmer, *U.* Hedges nr. Glynde, *J.H.A.J.* Bet. Horsted Keynes and Danehill, *W.W.* V. Wilmington, *R.* VI. Hastings district, not uncom., *B.* VII. Bet. Frant and Mayfield. Nr. Withyham, *E.J.*
- P. DOMESTICA, *L.* Wild Plum. Tr. 4-5.—Woods; rare. III. Nr. Brighton, *M.* Nr. Bramber Station, *H.H.* IV. Nr. Offham Chalk pit, *U.* Hamsey, *J.H.A.J.* Fletching, in hedges, *N.J.T.* V. Wood behind Ratton House, *R.* VII. Tilgate Forest, *J.L.*
- P. AVIUM, *L.* Wild Cherry, *S.* Merry. Tr. 4-5.—Woods and copses; not com. I. Side of the Rother nr. Midhurst, *H.E.F.* Coates. Gorehill, *Miss M. Arnold.* Woods bet. Arundel and Slindon, *W.H.B.F.* Ashling Wood, *M. H. Arnold.* Stansted, nr. the Tower, *A.* Salt Hill, Chichester, 1833, *Miss Sowton.* III. Bramber Castle, *W.H.B.F.* IV. Offham, nr. Lewes, *J.H.A.J.* Frequent about Birchgrove, *W.W.* V. Wartling Wood, *R.* VI. Nr. Hastings, not uncom., *B.* VII. Balcombe, *W.H.B.F.*
- P. CERASUS, *L.* Dwarf Cherry. Tr.—Woods and hedges; not uncom. I. Star Copse, Bohemia Hollow, Harting, *W.* Racton, *A.* Oakwood, *H.H.* Copse on the gault,

- Graffham. Lavington. Burton, *E.S.M.* II. Ferring,
Hb. D. III. Henfield, *Hb. B.* IV. Nr. Ashcombe Woods.
Ringmer, *U.* Kingston, *J.H.A.J.* V. Hedge nr. South
Fields, Ratton Plantation, *R.* VI. Hastings district, not
uncom., *B.*
- P. PADUS, *L.*!** Bird Cherry. Tr. 4-5.—Woods; rare. III.
Adur district, planted, *H.*
- SPIRÆA ULMARIA, *L.*** Meadow Sweet. P. 6-8.—Ditches
and marshy places; com.
- S. FILIPENDULA, *L.*** Dropwort. P. 6-7.—Downs; not
com. in the extreme W. of the County, and not recorded
from districts VI. and VII. I. Westdean, *F.V.P.* Nr.
Arundel and Burpham, 1904, *H.C.M.* II. High Down,
abund., *W.H.B.F.* III. Downs bet. Shoreham and
Bramber, *O.* Downs nr. Brighton, abund., *F.V.P.* IV.
Downs, Lewes, com., *U.* The Downs, Seaford, 1879, *W.W.*
V. Beachy Head, Jevington. Cow Gap. Ratton, abund.,
R.
- AGRIMONIA EUPATORIA, *L.*** Common Agrimony, *S.*
Church-steeple. P. 6-7.—Fields and roadsides; com.
- A. ODORATA, *Mill.*** Fragrant Agrimony. P. 6-8.—Thickets
and hedges; rare. I. Heyshott, *H.E.F.* Roadsides nr.
Burton Rough, and on Dunton Common. Westerland,
Lavington, *E.S.M.* Storrington, 1899, *A.* II. St.
Leonards Forest, *Mrs. Nicholson.* Rusper, *E.E.* III. Nr.
Brighton, *M.* Shipley, *E.E.* IV. Balcombe, *Bor.*
Plumpton, *E.E.* V. Borders of Scrip Wood bet. Stunt's
Green and Cobeech, abund., *R.* East Hoathly, *E.E.* Bet.
Catsfield Green and Marlpits, Ninfield, 1895, *E.S.S.*
- POTERIUM SANGUISORBA, *L.*** Salad Burnet. P. 5-8.—
Downs and chalky fields; com.
- P. MURICATUM, *Spach.*** Muricated Salad Burnet. P. 6-7.
—Chalky fields and banks; not com. I. Earham, *Hb.*
Bor. Bank nr. Stockbridge, Chichester, 1886. Nr.
Charlton Forest, 1884. V. Amongst Lucerne, Upperton,
Eastbourne, *R.*
- ALCHEMILLA ARvensis, *L.*** Field Lady's Mantle.
Parsley Piert. A. 5-9.—Waste and cult. ground; com.
- A. VULGARIS, *Scop.*** Common Lady's Mantle. P. 6-8.—
Heaths and pastures; very rare. II. St. Leonards Forest,
H. IV. Nr. Horsted Keynes Station, *E.E.* VII. On the
Forest ridge, *H.* Nr. Turner's Hill, *R.* Nr. Dunning's
Mill, East Grinstead, 1895, *C.E.S.*
Var. *ALPESTRIS*.—IV. Hendle Wood, Maresfield, *Rev. E.*
F. Linton, 1902.
- POTENTILLA FRAGARIASTRUM, *Ehrh.*** Barren Strawberry. P. 3-5.—Woods and banks; very com.
- P. TORMENTILLA, *Neck.*** Common Tormentil. P. 6-8.—
Dry banks and heaths; com.

- Var. *PROCUMBENS*.—I. Stansted Woods. VI. Nr. Hastings; not uncom., *B.*
- P. *REPTANS*, *L.* Creeping Cinquefoil, *S.* Five-fingered Grass. P. 6-9.—Banks and roadsides; com.
- P. *ANSERINA*, *L.* Silver Weed. P. 5-7.—Banks and moist ground; com.
- P. *ARGENTEA*, *L.* Hoary Cinquefoil. P. 6-7.—Dry gravelly places; rare. I. Harting, *W.* Nr. Midhurst by the Chichester road, *Hb.* *C.* Rogate, *Hb.* *T.* Petworth. Nr. Bignor Park. Duncton, *A.* Nr. Burton Mill, 1902, *C.E.S.* II. Pulborough. Chiltington. VII. Pastures nr. Tunbridge Wells, not com., *Forster.*
- COMARUM PALUSTRE**, *L.* Marsh Cinquefoil. P. 5-6.—Bogs; not com. I. Sutton marshes, *H.S.* Coates, *A.* Harting, *H.G.D.* II. Amberley Wild Brooks, *Hb.* *C.* Chiltington Common. III. Henfield, *W.M.* V. Pool nr. Mitchelham Priory, *F.B.D.* Hooe, *Hb.* *B.* Nr. Berwick Station, *R.* VI. Guestling, *B.* VII. Bogs nr. Tunbridge Wells, freq., *E.J.*
- FRAGARIA VESCA**, *L.* Wild Strawberry. P. 5-6.—Woods and banks; com.
- F. *ELATIOR*, *Ehr.* Hautbois Strawberry. P. 5-6.—Woods; rare. I. Woods nr. E. Marden, *Hb.* *C.* Near the centre of Charlton Forest, *Hb.* *Bor.* IV. Bet. Balcombe and Cuckfield, *J.L.*

RUBUS LINN. BRAMBLE.

RUBUS IDÆUS, *L.* Raspberry. Sh. 6.—Woods and heaths; not uncom. I. Nr. Midhurst, *H.E.F.* Nr. Lady Holt, Harting, *H.D.G.* Stansted Woods, *A.* Aldermere, Petworth, *A.*; frequent in this district, *E.S.M.* II. St. Leonard's Forest, *G.B.H.* III. Abund. above Bevendean; also at Wolstonbury, *H.H.* IV. Downs bet. Falmer and Plumpton, *H.H.* Downs nr. Lewes, in patches of furze, *U.* Chelwood Common, *N.J.T.* V. Bet. Ratton and East-dean. Nr. Horeham. Nr. Heathfield Station. Adkin's Wood, bet. Cross-in-Hand and Waldron. Nr. Pepperling Powder Mills, by Battle, *R.* VI. Dallington Forest, *B.* VII. Abund. in the Forests, *Bor.* Neighbourhood of Tunbridge Wells, com., *E.J.*

R. FISSUS, *Lindl.* Lesser sub-erect Bramble. 6-8.—Boggy heaths; rare. I. Roadside, Lavington Common. Copse on Duncton Common, *E.S.M.* II. St. Leonard's Forest. V. Field bet. Holly Cottage and Heathfield Park, *R.*

The Rubi in this Edition have been revised and re-written in accordance with recent views of this Protean order. For West Sussex I am chiefly indebted to the Rev. E. S. Marshall, M.A., F.L.S., for his notes in the Journal of Botany for 1901, who says: Mr. Rogers has already published several of the

stations I have given in his recent paper on the "Distribution of Rubi in Great Britain," but I include these, as in most cases additional information is now given." For East Sussex I have many localities from his "Notes on the Flora of Sussex," by Mr. C. E. Salmon, F.L.S., also printed in the "Journal of Botany," 1901-1904.

The arrangement of the Rubi is that of the "London Catalogue of British Plants," 9th Ed., 1895.

- R. SUBERECTUS, *Anders.* Sub-erect Bramble. Sh. 5-6.—Wet woods and thickets; not com. I. Wood above Westbourne Common, *A.* By Burton Pond, nr. Petworth, *Bor.* Copse nr. Burton Rough. Nr. Petworth Station, *E.S.M.* II. St. Leonard's Forest, *G.B.H.* V. High Wood, *R.* VI. Lindfield, *Bor.* Battle, *J.H.A.J.* Frant, *Foster.* Guestling, *O.* VII. Ashdown Forest, *Bor.*
- R. SULCATUS, *Vest.*—VII. Roadside nr. Wych Cross, Ashdown Forest, 1904, *C. H. Waddell.*
- R. PLICATUS, *W. and N.* Plaited-leaved Bramble. 6-8.—Sides of bogs; not com. I. Nr. Midhurst, *Bor.* Ambersham Common. Graffham Common. Coates Common. Nr. Upper Norwood, Lavington. Midhurst Common. Lynchmere Common. Shottermill Common, *Rogers.* II. Greatham Common, *E.S.M.* St. Leonard's Forest, *G.B.H.* Wiggonholt Common, *C.E.S.* VII. Tilgate Forest, *Bor.*
Var. *HEMISTEMON*, *P. J. Muell.*—By Newick Station, *T.H.* IV. Uckfield, *E. H. Farr.*
Var. *BERTRAMII*, *G. Braun.*—II. Wiggenholt Common, 1900, *T.H.*
- R. NITIDUS, *Wh. and N.* Shining Bramble. Sh. 7-9.—Heaths; rare. I. Ambersham Common, bet. Graffham and Heyshott.
- R. HOLERYTHROS, *Focke.* Sh. 6-8.—Wood borders. I. Linchmere to Fernhurst, *Rogers.* Woods, Bignor Park, *E.S.M.* IV. Uckfield, *E. H. Farr.* VII. Ashdown Forest, nr. Wych Cross, *T.H.*
- R. AFFINIS, *Wh. and N.* Intermediate Bramble. 6-9.—Woods and heaths; rare.—III. Woodmancote. Henfield, *Bor.* VI. Ecclesbourne Glen, Hastings, *Lees.* VII. Lane at Hartfield, *Forster.*
- R. CARPINIFOLIUS, *Wh. and N.* Hornbeam-leaved Bramble. Sh. 7-8.—Commons; rare. I. South side of Ambersham Common, *E.S.M.* II. St. Leonard's Forest, *Bab.* III. Henfield, *Bor.* IV. Uckfield, *E. H. Farr.* V. Hove, *J.H.A.J.* VII. Nr. Tunbridge Wells, *E.J.*
- R. LINDLEYANUS, *Lees.* Lindley's Bramble. Sh. 6-8.—Hedges; locally abund. I. Abund. on the lower greensward from Midhurst to Fittleworth. Blackdown, *Rogers.* II. Greatham Common, *E.S.M.* IV. Uckfield, *E. H. Farr.*

- R. ERYTHRINUS, *Genev.* Sh. 7-9.—Hedges and sunny places; not com. I. Lavington. Burton. Graffham. Bet. Bignor and Madehurst. Blackdown, *Rogers*.
- R. RHAMNIFOLIUS, *Wh.* and *N.* Buckthorn-leaved Bramble. Sh. 7-8.—Hedges and thickets; frequent throughout the county. I. Abund. in Stansted Woods, *Bor.* Racton Wood. Westbourne. Ashling Wood, *A.* Fittleworth. Petworth. Coates. Lavington. Graffham. Heyshott. Midhurst. Lynchmere. Blackdown. Shottermill, *Rogers*. II. St. Leonard's Forest, *Bor.* III. Woodmancote Moor, *Bor.* V. Nr. Hempstead, *R.* VI. Battle, *J.H.A.J.* Nr. Hastings, *B.* VII. Nr. Tunbridge Wells, *E.J.*
- R. INCURVATUS; *Bab.* Incurved-leaved Bramble. 7-8.—Woods. I. Rotherbridge, *Bab.* Ashling. III. Henfield, *Bor.*
- R. DUMNONIENSIS, *Bab.* Sh. 7-8.—Sandy ground; widely spread. I. Bet. Westerland Farm and Lavington Common *E.S.M.* III. Hollingbury Camp, 1900, *T.H.* IV. Downs, Seaford, *T.H.* V. Hurstmonceux Park, *T.H.*
- R. PULCHERRIMUS, *Neum.* Sh. 7-8.—Commons; generally distributed. I. Fittleworth. Burton. Dunton. Lavington. Graffham. Heyshott. Midhurst. Blackdown. Lynchmere. Shottermill, *Rogers*. II. Greatham Common, *E.S.M.* Storrington, *T.H.* IV. Wivelsfield, *T.H.* Uckfield, *E. H. Farr*.
- R. MERCICUS, *Bagnall.*
Var. BRACTEATUS, *Bagnall*.—IV. Uckfield, *E. H. Farr*.
- R. VILLICAULIS, *Koehl.* Pilose-stemmed Bramble. 7-8.—Woods. V. High Wood, Bexhill, *R.*
Var. SELMERI, *Lindeb.*—I. In some plenty on the coast south of Bosham, *E.S.M.*
Var. CALVATUS, *Blox.*—I. Lavington. Petworth. Burton, *E.S.M.*
- R. LEUCANDRUS, *Focke.* Sh. 7-9.—Hedges; local. I. Hesworth Common. Nr. Fittleworth. Midhurst Common. Ambersham Common, *Rogers*. Shottermill Common, *Rogers*.
Var. GRATUS, *Focke*.—IV. Uckfield, *E. H. Farr*.
- R. THYRSOIDEUS, *Wimm.* Thyrus-flowered Bramble. 7-8.—Hedges. II. Hailsham and nr. Ditton's Wood, *Rogers*. III. Henfield, *Bor.* St. Leonards, *Rogers*. V. Hempstead, *R.* VI. Battle, *J.H.A.J.*
- R. ARGENTATUS, *P. J. Muell.* Sh. 7-9.—Bushy places. I. Fittleworth. Heyshott. Midhurst, *E.S.M.* III. Stanmer Park and Wiston, *T.H.* IV. Uckfield, *E. H. Farr*. Nr. Chailey, 1900, *T.H.*
Var. ROBUSTUS.—IV. Lane from Streat to Plumpton Green, 1904, *T.H.*

R. PUBESCENTS.

Var. *SUBINERMIS*, *Rogers*.—I. Fittleworth, Petworth, Lavington. Coates. Madehurst. Slindon, *E.S.M.* IV. Uckfield, *E. H. Farr*.

R. *LENTIGINOSUS*, *Lees*. Freckled Bramble. Sh. 6-7.—Bushy places; abund. on the sand. I. Petworth. Coates. Dunton. Graffham. Ambersham, *E.S.M.*

R. *DISCOLOR*, *W. and N.* Common Bramble or Blackberry. 7-8.—Woods and hedges; very com. throughout the county.

R. *MACROPHYLLUS*, *W. and N.* Large-leaved Bramble. Sh. 7-9.—Woods, hedges, and thickets; not uncom. I. Upmarden, *Hb. T.* Westbourne. Kingley Vale, *A. Copse* nr. Burton Rough. II. St. Leonard's Forest, *Bor.* Road-side hedge, Rudgwick, *C.E.S.* III. Henfield, *Bor.* IV. Uckfield, *Bot. Sus.* V. High Wood, *R.* VI. Guestling, *B.* Battle, *J.H.A.J.* VII. Nr. Tunbridge Wells, *E.J.*

Var. *SCHLECHTENDALII*, *Weihen*.—I. Popple Hill. Lavington. III. Henfield, *Bab.* IV. Uckfield, *E. H. Farr*.

R. *SALTERI*, *Bab.* Salter's Bramble. Sh. 7-9.—Woods, hedges; rare. I. Plentiful, Midhurst Common, *E.S.M.* Apparently endemic.

R. *MICANS*, *Gren and Godron*. Sh. 7-9.—Heaths; rare. I. Blackdown, *Rogers*. IV. Uckfield, *E. H. Farr*. VII. Crawley, *Rogers*.

R. *HIRTIFOLIUS*, *M. and W.* Hairy-leaved Bramble. Sh. 7-8.—Woods; rare. IV. Uckfield, *E. H. Farr*.

R. *PYRAMIDALIS*, *Kalt.* Pyramidal Bramble. Sh. 7-9.—Heaths and commons; rather com. I. Petworth. Burton. Graffham. Lodsworth. Midhurst, *E.S.M.* IV. Uckfield, *E. H. Farr*.

R. *LEUCOSTACHYS*, *Sm.* Long-clustered Bramble. 7-8.—Very com; found alike on chalk, sand, and clay.

R. *LASIOCLADOS*.

Var. *ANGUSTIFOLIUS*, *Rogers*.—I. Fittleworth. Midhurst.

R. *GELERTII*, *Frider.* Sh. 7-8.—Bushy places; rare. III. Lane, Henfield, 1901, *T.H.* Stanmer Park, *T.H.* IV. Roadside, Woodendean, 1901, *T.H.* Warren Farm and nr. Wivelsfield Railway Station, 1903, *T.H.* Woods by Newick Station, *T.H.*

R. *CINEROSUS*, *Rogers*. Sh. 7-8.—IV. Fairhazel Brooks, Uckfield, *R.*

R. *ANGLOSAXONICUS*, *Gelert*. Sh. 6-8.—Stiff soils. III. Wiston, *T.H.* IV. Uckfield, *E. H. Farr*.

Var. *RADULOIDES*, *Rogers*.—III. Henfield Common, 1901, *T.H.*

Var. *SETULOSUS*, *Rogers*.—IV. Lane from Streat to Plumpton, 1901, *T.H.*

- R. INFESTUS, *Weihe*. Sh. 7-9.—Hedges; uncom. **VII.**
Nr. Wych Cross. Ashdown Forest, 1904, *Rev. C. H. Waddell*.
- R. BORRERI, *Bell Salt*. Borrer's Bramble. Sh. 6-9.—
Commons and hedges; rare. I. Little Bury. Norwood.
Lavington, *Rogers*.
- R. RADULA, *Weihe*. Sh. 7-9.—Bushy places; hedges; rare.
II. Bet. Slinfold and Lower Broadbridge, *J. W. White*.
Var. *ANGLICANUS*, *Rogers*.—I. Lodsworth. Nr. Bosham.
IV. Piltdown, 1902, *R. S. Standen*.
- R. ECHINATUS, *Lindl.* Coarse Bramble. Sh. 7-9.—
Hedges; com. I. Fittleworth. Petworth. Coates.
Lavington. Graffham. Heyshott. Midhurst, *E.S.M.* III.
Race-hill, Brighton, *T.H.*
- R. RUDIS, *W. and N.* Sh. 7-9.—Bushy places; rare. I.
East Marden, *Hb. T.* II. Bet. Slinfold and Theale, *J. W. White*. III. Henfield Common and by path to Bunton
Chapel, 1901, *T.H.*
- R. HOSTILIS, *Muell and Wirtz*. Sh. 7-9.—Roadsides,
woods; very rare. **VI.** Battle, *Rogers*.
- R. BABINGTONII, *Bell Salt*. Sh. 7-9.—Commons. I.
Hesworth Common. Nr. Burton. Lynchmere. Shottermill,
Rogers; *E.S.M.* Midhurst Common, 1902, *C.E.S.*
II. Horsham and St. Leonards, *C.E.S.* III. Downs nr.
the Dyke, 1903, *T.H.* IV. Lane from Streat to Plumpton
Green, 1904, *T.H.* VI. Bet. Rye and Winchelsea, 1900,
C.E.S.
- R. LEJEUNEI, *Wh. and N.* Lejeune's Bramble. Sh. 7-9.
Var. *ERICETORUM*, *Lefv.*—I. Fittleworth. Lavington.
Duncton and Ambersham Commons. Chalk pit, Graffham,
E.S.M. IV. Novington Lane, Plumpton, 1900,
T.H.
- R. MUTABILIS, *Genev.* Sh. 7-9.—Bushy places; rare.—
I. Midhurst Common, *E.S.M.* II. Rudgwick, *Rogers*.
III. Worthing, *Rogers*.
- R. BLOXAMII, *Lees!* Bloxam's Bramble. 7-8.—Woods.
V. Battle, *J.H.A.J.*
- R. PYGMÆUS, *Bab.* Dwarf Bramble. 7-8.—Woods; rare.
VII. Eridge, *Hb. Bor.*
- R. SCABER, *Wh. and N.* Rough Bramble. Sh. 7-8.—
Hedges. III. Henfield, *Bab.* V. Battle, *J.H.A.J.* VII.
Ashdown Forest, *Rev. C. H. Waddell*.
- R. OBSCURUS, *Kalt.* Sh. 6-7.—Bushy places. I. North of
Madehurst and Slindon, and nr. Upwaltham, *E.S.M.*
- R. FUSCUS, *W. and N.* Sh. 7-9.—Woods and open places;
not com.—I. Downs above Bignor. Midhurst Common,
E.S.M. IV. Uckfield, *E. H. Farr*.

- Var. *NUTANS*, *Rogers*.—I. Lavington. Graffham. Midhurst Common, *E.S.M.*
- R. *PALLIDUS*, *W. and N.* Sh. 7-9. Downs.—I. Old Bury. Lavington, *E.S.M.*
- Var. *LEPTOPETALUS*, *Rogers*.—I. Nr. Madehurst and Upwaltham. Lynchmere. Shottermill, *Rogers*.
- R. *THYRSIGER*, *Bab.*—V. Starve Crow Wood, nr. Carter's Corner, apparently endemic, *Rogers*.
- R. *FOLIOSUS*, *W. and N.* Gunther's Bramble. Shr. 7-8.—Shady woods; rare. I. Burton Park. Midhurst Common. Shottermill. Blackdown, *Rogers*. II. St. Leonard's Forest, *J. W. White*. III. Henfield, *Bor.* IV. Nr. Horsted Keynes, 1903, *R. S. Standen*. V. Eastbourne district, *R.*
- R. *ROSACEUS*, *W. and N.* Rose-flowered Bramble. Sh. 7-8.—Commons. Bet. Graffham and Heyshott. Midhurst, *E.S.M.* II. West Chiltington, *Bor.* III. Henfield, *Bor.*
- Var. *HYSTRIX*, *W. and N.*—I. Nr. Burton Mill, 1902, *C.E.S.* II. Nr. Rudgwick, *J. W. White*. III. Woodmancote, *Bab.*
- Var. *INFECUNDUS*, *Rogers*.—I. Nr. Petworth Station. Blackdown, *Rogers*.
- Var. *ADORNATUS*, *P. J. Muell.*—I. Roadside nr. Burton Rough, *E.S.M.* II. Hedge, Hurst Road, Horsham, and at Holmbush, *J. W. White*.
- R. *KOEHLERI*, *Wh. and N.* Koehler's Bramble. Sh. 7-9.—Hedges and bushy places; not uncom. Found in all the districts.
- Var. *PALLIDUS*, *Bab.*—III. Henfield, *Bor.* VII. Balcombe, *Bor.* Nr. Hartfield, *Forster*.
- Var. *COGNATUS*, *N. E. Br.* III. Hedge, Henfield Common! and lane south of Horeham Common, 1901, *T.H.*
- R. *MARSHALLI*, *Focke and Rogers*. Marshall's Bramble. Sh.—Bushy places and heaths; local. I. Graffham Common. Norwood. Lavington. Blackdown. Shottermill, *Rogers*. II. Roadside, Colgate, *J. W. White*.
- R. *FUSCO-ATER*, *Weih.* Brownish-black Bramble. 7-8.—Heaths. III. Slatehouses, Henfield, *Hb. Bor.* V. Eastbourne district, not com., *R.*
- R. *BELLARDI*, *Wh. and N.* Glandular-stemmed Bramble. Sh. 7-9.—Moist woods. I. Old Bury. Lavington. Thicket, north of Madehurst, *E.S.M.* II. Coppice on Sansom's Farm, Rudgwick, *J. W. White*. V. Mitchelham Priory, *R.*
- R. *SERPENS*, *Weih.* Sh. 7-9.—Hilly woods; local. II. Nr. St. Leonard's House, 1903, *C.E.S.* IV. Uckfield, *E. H. Farr*.
- R. *HIRTUS*, *Waldst and Kit.* Sh. 7-9.—Woods and thickets; local. III. Albourne, *Bor.* Wakehurst, *Bab.*

R. DUMETORUM, *W. and N.* Sh. 7-9.—Hedges. I. Fittleworth. Graffham. Rogate, *Rogers*. Midhurst Common, 1902. III. Hedge nr. Cuckfield, 1901, *T.H.* IV. Nightingale Hollow, Kenwards, nr. Lindfield, 1902, *R. S. Standen*.

Var. *FEROX*, *Weihe*. III. Lane out of Montpelier Road, Hove, 1901, *T.H.*

Var. *DIVERSIFOLIUS*, *Lindl.*—II. Abund. about Horsham, *J. W. White*. III. By the Slatehouses, Henfield, *Hb. Bor.* V. Priesthawes, *R.*

Var. *TUBERCULATUS*, *Bab.*—I. Nr. Petworth Station, *E.S.M.* III. Henfield, *Bor.*

R. *CORYLIFOLIUS*, *Sm.* Hazel-leaved Bramble. 7-8.—Hedges and thickets; very com. in all the districts.

Var. *SUBLUSTRIS*.—I. Fittleworth. Coates. Lavington, Heyshott. Midhurst. Lynchmere. Blackdown, *Rogers*. III. Rock Common, 1904, *T.H.* Newtimber. Albourne, *Bab.* VI. Hastings, *Bab.*

Var. *CYCLOPHYLLUS*, *Lindeb.*—I. Midhurst Common. Graffham, both on the gault and on the chalk, *E.S.M.* VII. Withyham, 1904, *C.E.S.*

R. *BALFOURIANUS*, *Blox.* Balfour's Bramble. Sh. 7-9.—Hedges; rare. II. Hedge close to Rudgwick Churchyard, *J. W. White*. III. Newtimber, *Bor.* IV. Wivelsfield and nr. Chailey Station, *T.H.* VII. Hartfield, 1904, *Rev. C. H. Waddell*.

R. *CAESIUS*, *L.* Dewberry. 5-8.—Hedges; com. in all the districts.

Note.—With respect to the Brambles, the specimens in *Hb. Borrer*, at Kew, named by Babington, and Babington's British Rubi have been chiefly consulted, while Leighton's examples of Shropshire Rubi have proved useful for comparison.

GEUM URBANUM, *L.* Wood Avens. Herb Bennet. P. 5-8.—Hedges and shady places; very com.

G. RIVALE, *L.* Water Avens. P. 6-7.—Moist woods and sides of streams; rare. I. Marsh nr. Ratham, *W.J.* By a rill in Oakwood, nr. Chichester, A. Racton Down's Copse, *Mrs. J. P. Hipkin*, 1893, sp. Meadow nr. Fishbourne Mill, *Miss R. L. Arnold*.

G. INTERMEDIUM, *Ehrh.* G. Urbanum X. Rivale. Intermediate-Avens. P. 6-7.—Moist woods and copses; rare. I. Racton Down's Copse, 1893, *Mrs. Hipkin*.

ROSA SPINOSISSIMA, *L.* Common Burnet Rose. Sh. 5-7. Downs and heaths; not uncom. on the chalk. I. Old Broyle, Chichester, II. Clapham Down, nr. Castle Goring, *W.H.B.F.* Washington, *Hb. T.* III. Brighton, Dyke Road, *Hb. B.* IV. Lewes, freq. on the Downs nr. Newmarket Hill. Nr. the Spital Barn, *U.* Nr. Glynde, *Hb. B.* V. Paradise Wood. Abbot's Wood. Cow Gap.

- Milton Hyde. Beachy Head, *R.* VII. Forests and heathy places nr. Tunbridge Wells, *E.J.*
- R. INVOLUTA*, *Sm.* Sabine's Rose. Sh. 6.—Heaths, &c.; very rare.
 Var. *SABINI*, *Woods.*—III. Henfield, *Bor.*
 Var. *DONIANA*, *Woods.*—III. Henfield and Albourne, in each place confined to a single spot, *Bor.*
- R. TOMENTOSA*, *Sm.* Downy-leaved Rose. Sh. 6-8.—Woody and bushy places; not com. I. E. Marden, *Hb. C.* Harting, *W.* Lavington. Burton, *E.S.M.* II. St. Leonard's Forest, *H.* III. Hurstpierpoint, scarce, *W.M.* Newtimber, 1893, *T.H.* IV. Ouse district, *J.H.A.J.* V. Creep Wood, Ashburnham, rare, *R.* VII. Nr. Tunbridge Wells, not unfreq., *E.J.* Nr. E. Grinstead, com., *Coleman.*
 Var. *SUBGLOBOSA*, *Sm.*—VI. Battle, *J.H.A.J.*
- R. RUBIGINOSA*, *L.* Common Sweetbriar. Eglantine. Sh. 5-6.—Hedges and bushy places; not com. I. E. Marden, *Hb. T.* Near Burton Mill. Downs above Graffham, scarce, *E.S.M.* II. St. Leonard's Forest, *G.B.H.* Clapham Woods, *O.* III. Henfield, *Hb. Bor.* IV. Lewes, on the Downs nr. Ashcombe, *U.* Fletching, *N.J.T.* Cuckmere Haven, *J.H.A.J.* V. Abbot's Wood, *R.*
- R. MICRANTHA*, *Sm.* Small-flowered Sweetbriar. Sh. 7-8.—Hedges and bushy places, chiefly on the chalk; not uncom. I. Harting, *W.* Stansted Woods. Racton, Packhorse Lane. Nr. Hermitage. Quite the most abund. rose from Cocking to Bury, *E.S.M.* II. Slinfold and Rudgwick, *J. W. White.* III. Albourne. Hurstpierpoint, *W.M.* Nr. Broadwater, *O.* IV. Nutley, *N.J.T.* About Lewes, com., *J.H.A.J.* V. Nr. Eastbourne, *R.* VI. Battle, Pett, *B.* VII. Nr. E. Grinstead, freq., *Coleman.* Three Bridges, *J.H.A.J.* Buckhurst Park, 1904, *C.E.S.*
- R. SEPIUM*, *Thuil.* Small-leaved Sweetbriar. Sh. 6-7.—Hedges; rare. IV. Nr. Glynde, on the road to Lewes, 1879. First found in Sussex by Mr. J. H. A. Jenner, of Lewes.
- R. OBTUSIFOLIA*, *Desv.* Sh. 6-8.—Hedges and thickets; local. I. On the gault about Lavington and Graffham.
- R. INODORA*, *Fries.* Borrer's Rose. Sh. 7-8.—Hedges; rare. VII. Hedges W. of Fenland Ponds, E. Grinstead, *Coleman.* Nr. Tunbridge Wells, *E.J.*
- ROSA CANINA*, *L.* Dog Rose. S. Hep. Shr. 6-8.—Woods, &c.
- The following forms or *vars.* of this very variable species have been noticed in the county.
- Var. *LUTETIANA*, *Leman.*—I. Nr. Lynchmere, *J. G. Baker.* Lavington. Graffham, *E.S.M.* Down Park, Harting,

- Miss M. L. Hodgson.* IV. Lewes, *J.H.A.J.* VI. Battle, *J.H.A.J.*
- Var. *SURCULOSA*, *Woods*.—III. Henfield, *Hb. C.* VII. Nr. Tunbridge Wells, *E.J.*
- Var. *SPHÆRICA*, *Gren.*—I. Down Park, Harting, *M.L.H.* IV. Hedges nr. Lewes, *J.H.A.J.*
- Var. *SENTICOSA*, *Ach.*—I. Down Park Harting, *M.L.H.* VI. Battle, *J.H.A.J.*
- Var. *DUMALIS*, *Bechst.*—I. Nr. Lynchmere, *J. G. Baker.* Down Park Harting, *M.L.H.* Graffham, *E.S.M.* III. Henfield, *Bor.* IV. Lewes, *J.H.A.J.* VI. Battle, *J.H.A.J.*
- Var. *VINACEA*, *Bak.*—VI. Battle, *J.H.A.J.*
- Var. *URBICA*, *Leman*.—I. Nr. Lynchmere, *J. G. Baker.* Nr. Midhurst, *H.E.F.* Racton, *A.* E. Marden, *Hb. T.* Graffham, *E.S.M.* III. Cowfold, *Hb. C.* IV. Lewes, *J.H.A.J.* V. Abbot's Wood, *R.*
- Var. *FRONDOSA*, *Stev.*—III. Newtimber Hill, 1896, *T.H.* VI. Battle, *J.H.A.J.*
- Var. *ARVATICA*, *Bak.*—I. Nr. Lynchmere, *J. G. Baker.* IV. Lewes, *J.H.A.J.* V. Eastbourne, *J.H.A.J.*
- Var. *DUMETORUM*, *Thuil*.—I. Bury. III. Partridge Green, 1898, *T.H.* VII. Nr. Tunbridge Wells, *E.J.*
- Var. *TOMENTELLA*, *Leman*.—II. Field Hedge, Rudgwick, *J. W. White.* IV. Nr. Lewes, *J.H.A.J.* VI. Dallington Forest, *B.*
- Var. *ANDEGAVENSIS*, *Bast.*—I. Bet. Graffham and Lavington. North of Burton Park, *E.S.M.* Down Park, Harting, *M.L.H.* II. Slinfold, *J. W. White.* VI. Battle, *J.H.A.J.*
- Var. *CŒSIA*, *Sm.*—VI. Battle, *J.H.A.J.*
- Var. *SUBCRISTATA*, *Bak.*—VI. Battle, *J.H.A.J.*
- Var. *VERTICILLACANTHA*, *Baker*.—IV. Horsted Keynes. Lindfield Road, *W.W.* VI. Battle.
- R.** *STYLOSA*, *Desv.* Columnar-styled Dog Rose. Sh. 6-7.—Hedges and thickets; not uncom. in some districts.
- Var. *SYSTYLA*, *Bast.*—I. Racton, nr. the Tower. Stansted Woods, *A.* Thorney, nr. Birdham, plentiful. Heyshott. About Graffham, rather com., especially on the gault, *E.S.M.* III. Poynings, *Hb. C.* Cowfold. Henfield, *Bor.* Newtimber, *Bot. Sus.* Albourne, *W.M.* IV. In a thicket to the E. of the pond in Coneyborough Park, *U.* V. Nr. Eastbourne, *R.* VI. Battle, *J.H.A.J.* VII. Bet. Bellman's Town and Ridge Hill Farms, nr. E. Grinstead, *Coleman*.
- R.** *ARVENSIIS*, *Huds.* White-flowered Trailing Dog Rose. Sh. 6-7.—Woods and hedges; com.
- **MESPILUS GERMANICA*, *L.* Wild Medlar. Tr. 5-6.—Woods and hedgerows; rare. Occurs in E. Sussex only. III. Hedgerow, parish of Thakeham, 1899, *A.J.C.* V.

Battle, 1839, *Hb. Bor.* Eastbourne, rather rare, *R.* Ashburnham, *Bot. Sus.* Crowhurst, 1895, *E. S. Salmon.* VI. Mayfield, *E.E.* Hastings, Ore lane, 1857, *Hb. Bor.* Guestling, in several different places. "Occurs throughout the district, evidently long established, if not native," *Rev. E. M. Bloomfield.*

CRATÆGUS OXYACANTHA, L. Hawthorn. Whitethorn. May, *S.* Hog Haw. Tr. 5-6.—Very com.

Var. *OXYACANTHOIDES*.—Apparently rare. IV. Lewes, *J.H.A.J.* V. Abbots' Wood. Westham, *R.*

PYRUS TORMINALIS, Ehrh. Wild Service, *S.* Chequer. Tr. 5-6.—Woods and hedges; rare. I. Ichene, *A.F.* II. Various places nr. Horsham, especially Rusper, *G.B.H.* III. Hurstpierpoint. Bolney, *W.M.* Side of the road from Burgess Hill to Haywards Heath, *Hon. J. L. Warren.* Hedgerow, parish of Thakeham, 1899, *A.J.C.* IV. Plantation nr. Plumpton, *U.* V. Hempstead Wood, nr. Hailsham. Wilmington. Abbot's Wood, *R.* Bet. Hastings and Hurstmonceux, com., *Hilderic Friend.* VI. Nr. Battle, *B.* VII. Nr. Ifield, *E. Ellman.* *E.N.B.* in litt. to *W.B.H.*, 1882. Obs.—The brown fruit is in Sussex called Chequers, from its speckled appearance.

P. ARIA, Sm. White Beam. Tr. 5-6.—Woods and chalky banks; com. in the W. part of the county. I. Harting. Racton. Funtington. Kingley Vale. Lavant. Singleton. Goodwood. Arundel. II. Nr. Redford, *H.E.F.* Chancotbury, *W.H.B.F.* Washington, *Hb. D.* Burpham. III. Nr. Brighton, *M.* Wolstonbury and nr. Clayton Holt, *H.H.* Worthing, *S.B.* IV. Plumpton, *Hb. B.* Lewes and Alciston, *E.E.* V. Nr. Alciston Quarry, *R.*

***P. SEMIPINNATA, Roth.** Bastard Mountain Ash. Tr. 5.—Rocky places; rare. II. Storrington, *Hb. D.*

Note.—This may be a hybrid bet. *Aria* and *P. Aucuparia*.

P. AUCUPARIA, Gaert. Mountain Ash. Tr. 5-6.—Woods and copses; not uncom.

P. COMMUNIS, L. Wild Pear. Tr. 4-5.—Woods and hedges; not com. III. Henfield, *Hb. Bor.* One tree beyond Patcham, *H.H.* Shipley, *E.E.* IV. Nr. Lewes, *U.* Cuckfield, 1806, *W. Borrer, jun.* V. South of Alfriston, *E.E.* VI. Battle, *Hb. B.* VII. Nr. Tunbridge Wells, *E.J.* Var. *ACHRAS, Gaertn.*—III. Chalk mounds, Pangdean, 1894, *T.H.* Nr. "Blue Idol," Thakeham, 1899; seen there 30 years, *A.J.C.*

P. MALUS, L. Crab tree. Wild Apple. Tr. 5.—Woods and thickets; not uncom.

Var. *ACERBA*.—I. Harting, nr. the Little Green Lodge. In the Warren, West Heath. Blackrye Copse. Nr. Chase's Copse, *W.* Nr. Midhurst, *H.E.F.* Oakwood, *H.H.* II. Ferring, *Hb. D.* III. Nr. Offington Mill, *W.H.B.F.*

IV. Nr. Lewes, not uncom., *U.* V. Arlington, rather rare. Abbot's Wood, *R.* VI. Battle, *Hb.* *B.* Nr. Hastings, com., *B.* VII. Nr. Tunbridge Wells, freq., *E.J.* Nr. Balcombe, *J.L.* Wood nr. Hammerwood, Forest Row, 1898, *C.E.S.*

Var. *MITIS*.—III. Clayton Bridge and towards Hassocks by path. Nr. Ditchling Common. Bet. Burgess Hill and Cuckfield. Bet. Ashurst and Steyning. Henfield; all *H.H.* V. Eastbourne, *R.*

LYTHRACEÆ.

LYTHRUM SALICARIA, *L.* Purple Loosestrife. P. 7-8.—Banks of rivers and ditches; somewhat loc. especially in the extreme W. of the county. I. Nr. Midhurst, *H.E.F.* Bet. Barnham and Slindon, *A.* Aldingbourne Rife, *E.H.D.* Rotherbridge. Petworth. II. Banks of the Arun. Pulborough. Chiltington, abund. III. Nr. Brighton, *M.* IV. Lewes Level, com., *U.* V. Marsh, nr. Tutbarn. Nr. Langley. Bexhill. Banks of Cuckmere, nr. Alfriston, *R.* VI. Hastings district, com., *B.* VII. Nr. Tunbridge Wells, *E.J.*

L. HYSSOPIFOLIA, *L.* Grass-poly. A. 8.—Ditches; rare. I. West Wittering, *Hb.* *T.*

PEPLIS PORTULA, *L.* Water Purslane. A. 7-8.—Damp places; not uncom. I. Nr. Midhurst, *H.E.F.* Harting, *W.* Gravel pits by Westbourne Common, *A.* Ambersham Common, *E.S.M.* Bet. Coates and Sutton. III. Henfield, *W.M.* IV. Chailey Common, *H.H.* V. Wilmington Wood. Milton Hyde. Gnat Wood. Bexhill, *R.* VI. Hastings district, not uncom., *B.* VII. Nr. Tunbridge Wells, com., *E.J.*

ONAGRACEÆ.

EPILOBIUM ANGUSTIFOLIUM, *L.* Rosebay Willow-herb. P. 7-8.—Woods; rather com. I. Nr. Midhurst, *H.E.F.* Harting, Hodson Copse and nr. Kill Devil Copse, *W.* Stansted Woods, Charlton Forest. Drove. Petworth, nr. the Sheep Downs. The Benges. Nr. Woodmancote. Selsey. Madehurst. Lavington. Graffham. On the Shingles, Pagham; a curious place for it, *E.S.M.* II. St. Leonard's Forest, *G.B.H.* Church Hill, Findon. Clapham Wood, *W.H.B.F.* Camp Hill, nr. Amberley, 1899, *C.E.S.* III. Nr. Brighton, *M.* Nr. Coombes, *W.H.B.F.* Clayton Holt, *H.H.* IV. Sheffield Forest, *N.J.T.* Downs nr. the Race Course, Lewes. Nr. Falmer, *U.* V. Netherfield Wood, *R.* VI. Dallington Forest. Bexhill, *B.* VII. Balcombe, *S.E.* Nr. Tunbridge Wells in several places, *E.J.* Railway banks about Rowfant, also nr. Felbridge, 1895, *C.E.S.*

E. HIRSUTUM, *L.* Great Hairy Willow-herb, *S.* Gooseberry-fool. P. 6-8.—Ditches and wet places; very com.

- E. PARVIFLORUM, *Schreb.* Small-flowered Hairy Willow-herb. P. 6-9.—Damp places and stream sides; com.
- E. MONTANUM, *L.* Broad-leaved Willow-herb. P. 6-8.—Woods and banks; com.
- E. LANCEOLATUM, *Sebas.!* Spear-leaved Willow-herb. P. 7-9.—Dry waste places; very rare. I. Hedgerow bet. Graffham and Selham. Plentiful in a lane nr. Lodsworth, *E.S.M.* III. Roadside, New Shoreham, *O.*
- E. ROSEUM, *Schreb.* Pale Smooth-leaved Willow-herb. P. 7-8.—Damp places; rare westward. I. River bank nr. Midhurst, sparingly, *H.E.F.* By the Rother bet. Petworth and Fittleworth. Streamlet bet. Coates and Burton, *E.S.M.* II. West Chiltington and Horsham, *E.E.* III. Henfield, *Hb. Bor.* IV. Plumpton, *E.E.* V. Nr. Battle, *W.B.H.* VI. Hastings, *Bromfield.* Watercourse above Ecclesbourne Glen, *O.* VII. Frequent in shady lanes in the Weald, *Bot. Sus.* Nr. Withyham, *Forster.* In the bed of a brook nr. Brambletye Place, E. Grinstead, *Coleman.*
- E. TETRAGONUM, *L.* Long-podded Square-stalked Willow-herb. P. 7-8.—Ditches; rather com. I. Nr. Midhurst, *H.E.F.* Racton. Roadside nr. Lumley Mill. Prinsted. III. Henfield, *Hb. Bor.* IV. Chailey Common, *N.J.T.* Nr. Offham, *U.* V. Shingles nr. Langley. Nr. Polegate, *R.* VII. Nr. Tunbridge Wells, *E.J.*
- E. OBSCURUM, *Schreb.* Short-podded Square-stalked Willow-herb. P. 7-8.—Ditches and boggy places; rather com. I. Stansted Woods. Westbourne, *A.* Lavington, *E.S.M.* IV. Lewes, *Hb. Bor.* Roadside nr. Newick, 1900, *T.H.* V. Nr. Eastbourne, *R.* VI. Nr. Hastings, com., *B.* VII. Withyham, 1904, *C.E.S.*
- E. LAMYI, *F. Schultz.* Schultz's Willow-herb. P. 6-9.—Roadsides and woods; rare and local. I. Lavington. Graffham, Coates, *E.S.M.* Obs.—An interesting addition to the Flora.
- E. PALUSTRE, *L.* Narrow-leaved March Willow-herb. P. 7-8.—Bogs and wet places; not uncom., found in all the districts.
- ŒNOTHERA BIENNIS, L.* Common Evening Primrose. B. 7-9.—Waste ground; occas. as a casual.
- ISNARDIA PALUSTRIS, *L.* Marsh Isnardia. A. 6.—Pools and ditches; very rare. IV. Buxted. In an old iron pit; first found in Great Britain, by *Borrer*, in 1827. I have specimens thence given me by the late H. Collins, Esq. (Sent to him by *Borrer*, in 1847.) Cuckfield. Little Ease Pond, 1848, *Bromfield.*

Note.—Probably now nearly extinct in Sussex and very rare in Hants, the only other county in which it occurs.

CIRCÆA LUTETIANA, *L.* Common Enchanter's Night-shade. P. 6-8.—Woods and shady lanes; com.

HALORAGIACEÆ.

MYRIOPHYLLUM VERTICILLATUM, *L.* Whorled Water Milfoil. P. 7-8.—Ponds and ditches; rare. I. Thorney. II. Burpham, *W.J.* Amberley Wild Brooks, 1899, *Rev. A. A. Evans.* III. Streams, Old Shoreham. IV. Lewes and Henfield Levels, *Bot. Sus.* VI. Hastings district, rare, B. Pond on Ashdown Forest, nr. Tunbridge Wells, *E.J.*

M. SPICATUM, *L.* Spiked Water Milfoil. P. 5-9.—Ditches and stagnant waters; rather rare. I. Chichester Canal, *F.V.P.* Bosham, S.E. of the Church. Burton. IV. Malling Brooks, *U.* Pond on Ashdown Forest. Nr. Wych Cross, *W.W.* V. Marsh by Tut Barn and nr. the Drove, very com. VI. Hastings district, rather rare, *B.* VII. Nr. Tunbridge Wells, com., *E.J.*

M. ALTERNIFLORUM, *D.C.* Alternate-flowered Water Milfoil. P. 5-7.—Ditches and pools; not com. I. Clay Pits, Stansted. Nr. Aldsworth. By the roadside nr. Cut Mill, Bosham. II. St. Leonard's Forest, *Syme.* Nr. Pulborough, *Hb. T.* III. Nr. Brighton, *M.* Bolney, 1892, *T.H.* IV. Plumpton, *E.E.* V. Marsh ditch, bet. Hailsham and Magham Down, *R.* VI. Pett Level, *B.* VII. Pond, Colman's Hatch, 1896, *C.E.S.*

HIPPURIS VULGARIS, *L.* Common Mare's-tail. P. 5-7.—Ponds and streams, loc., not uncom. westward. I. Aldsworth Ponds, abund. Fishbourne Mill Pond. Chichester Canal, nr. Hunston. Burton Ponds. Duncton. Petworth, by the Rother. Swanbourne Lake, Arundel, A. II. Nr. Burpham, by the Arun. Bet. Amberley and the Ferry, 1899, *C.E.S.* III. Nr. Brighton, *M.* IV. Malling. Lewes Levels, *U.* V. Nr. Waterworks, Eastbourne, rather rare, *R.* VI. Pett, very rare, *B.*

CALLITRICHE VERRA, *L.* Vernal Water Starwort. A. 4-9.—Pools and ditches; very com.

C. STAGNALIS, *Scop.* Large-fruited Water Starwort. A. 4-9.—Ponds and swampy places; com.

C. HAMULATA, *Kirtz!* Hooked Water Starwort. A. 4-9.—Ditches; not com. I. Graffham. II. North Stoke, *E.S.M.* IV. Chailey Common, 1900, *T.H.* Pond on Ashdown Forest, *W.W.* V. Nr. Eastdean. Ditch bet. Langley and Pevensey, *R.* VI. Fairlight, *E.N.B.*

C. PEDUNCULATA, *De C.* Linear-leaved Water Starwort. A. 4-9.—Ditches; not com. I. Bosham. II. St. Leonard's Forest, *Bor.* Ditch at Amberley, *N.B.G.* III. Nr. Brighton, *M.* V. Great Pond, Piltdown, 1900, *T.H.*

- C. OBTUSANGULA, *Le Gal.*! Blunt-fruited Water Starwort. A. 5-8.—Ditches; rare. I. Nr. Earnley, 1901, C.E.S. III. Lower Lancing, *Hon. J. L. Warren*. V. Ditch about half-way bet. Eastbourne and Pevensey, W.H.B. VI. Bet. Stone Cross and Westham, 1883, *W. H. Beeby*.
- C. TRUNCATA, *Guss.*! Truncated Water Starwort. A. 6-9.—Ditches; rare. II. Arun district, *Hemsley Fide Borrer*. Borrer's specimen was found at Amberley Wild Brooks, 1826, E.N.B.

CUCURBITACEÆ.

BRYONIA DIOICA, *L.* Red Bryony. P. 5-9.—Woods and hedges, com. VI. Very rare in E.R. district, *B.*

GROSSULARIACEÆ.

RIBES GROSSULARIA, *L.* Gooseberry. Sh. 4-5.—Woods and hedges; not com. Sometimes apparently wild. I. Up Park, *Hb. T.* Stansted Woods, nr. Rosamond's Plain, abund. Lordington, freq. Racton, in hedges. III. Clayton, *H.H.* IV. Hedge bet. Balcombe Station and Village, *S.B.* Lindfield Road, *W.W.* V. Wood bet. Polegate and Wannock, *R.* VI. Nr. Hastings, *B.* VII. Nr. Tunbridge Wells, in hedges and thickets, com., *E.J.*

R. RUBRUM, *L.* Red Currant. Sh. 4-5.—Woods and hedges; not com. I. Stansted Woods, *A.* III. Shipley, *E.E.* IV. Plumpton, *E.E.* V. Copse, nr. Rattton Decoy, *R.* VI. Apparently wild in many moist spots about Hastings; stream-side at the Hop-grounds; Dell at the Fish Ponds, &c., *Bromfield*. VII. Nr. Tunbridge Wells, freq., *E.J.*

Var. PETRÆUM, *Sm.*—VII. Amongst shrubs, nr. a stream, in a hollow, nr. Crowborough, 1895, *T.H.*

R. NIGRUM, *L.* Black Currant. Sh. 4-5.—Damp woods and stream sides; not com. I. Nr. Graffham and Burton, *E.S.M.* III. Shipley, *E.E.* Nr. Henfield, *Bor.* IV. Plumpton, *E.E.* V. Copse, nr. Rattton Decoy, *R.* VI. Nr. Hastings, *B.* VII. Nr. Tunbridge Wells, com., *E.J.* Forest north of Pease Pottage, 1879, *Ellman*. E.N.B. in litt. to *W.B.H.*, 1882.

Note.—This and two former species are frequently escapes, or from seed scattered by birds.

CRASSULACEÆ.

SEDM TELEPHIUM, *L.* Orpine. Live-long. P. 7-9.—Woods and hedge banks; not uncom., especially westward. I. Harting, *W.* Foxbury Dell, Westbourne. Stansted Woods, freq. Racton, by the Tower, abund. Valdoe Copse, *A.* Earham, *E.H.D.* Nr. Graffham, on the gault,

E.S.M. Old Park, Bosham, *Rev. F. Haines* III. Ditchling, *H.* IV. Maresfield, *S.E.* Nr. Chailey, *U.* Bet. High Brook and West Hoathly. V. Hurstmonceux, nr. Bexhill. Abbot's Wood, *R.* VI. Dallington, *B.* VII. Ashdown Forest, *M.R.D.* About Tunbridge Wells, not unfreq., *E.J.*

Var. *FABARIA*, *Koch!*—Sussex, no loc., *Hb. T.* I. Ashling Wood. South Woods, Arundel, *A.*

S. *ALBUM*, *L.* White Stone-crop. P. 7-8.—Walls and roofs; rare, and doubtfully native. I. E. Marden, *Hb. T.* Walls about Old Lordington House, naturalized. Slindon, on roofs. Petworth. Wall at Hermitage, naturalized, *A.* III. Hurstpierpoint, *W.M.* Nr. Brighton, *M.* VII. On the ruins at Mayfield, *Forster*. On the roof of the inn at Hartfield, *E.J.*

Var. *MICRANTHUM*, *Bast.!*—I. Walls at Arundel, and elsewhere in Sussex, *Syme.*

S. *DASYPHYLLUM*, *L.* Thick-leaved Stone-crop. P. 6-7.—Old walls; very rare. I. Wall by the roadside, Binderton, 1886. Walls, North Street, Petworth, and elsewhere in and nr. the town, abund., 1885; long known there.

S. *ANGLICUM*, *L.* English Stone-crop. P. 6-7.—Sandy waste and banks on the coast; not com. I. Bank N. of Prinsted Marsh, abund. Ichenor. Bracklesham Bay. Clymping Sands, 1899, *A.* III. Beach bet. Shoreham and Brighton, abund., *W.M.* VI. Nr. Hastings, loc. com., *B.*

S. *ACRE*, *L.* Biting Stone-crop. Wall-pepper. P. 6-7.—Walls, roofs and sandy ground; com.

S. *REFLEXUM*, *L.* Crooked Yellow Stone-crop. P. 7-8.—Walls and banks; not com. Where well established spreading rapidly. I. Rogate, *Hb. T.* Roadside bank bet. Prinsted and Southbourne Church, for nearly a hundred yards, 1887. Fishbourne, by the road to Clay lane, abund. Midhurst, 1902, *C.E.S.* III. Nr. Brighton, *M.* VI. Winchelsea, *B.* Ruins at Mayfield, *E.J.*

**SEMPERVIVUM TECTORUM*, *L.* House-leek. Sengreen, *S.* Sungreen. P. 7.—Walls and roofs, occas. planted.

COTYLEDON UMBILICUS, *L.* Common Navelwort. Wall Pennywort. P. 6-8.—Walls and banks; rare. I. Bognor, *H.H.* Duncton on a wall nr. the Rectory, 1880. II. Rustington, abund., *U.* E. Tarring Lane, *Hb. D.* Old walls, Tarring. Clapham Churchyard, *O.* III. Wiston, *U.* On a wall and on the bark of elm trees in Broadwater Churchyard, *W.H.B.F.* IV. Iford Churchyard wall. E. Blatchington, walls at the Rectory, *U.* VI. Nr. Hastings. Pett. Winchelsea, *B.*

SAXIFRAGACEÆ.

SAXIFRAGA TRIDACTYLITES, *L.* Rue-leaved Saxifrage. A. 4-5.—Old walls; com.

S. GRANULATA, *L.*! White Meadow Saxifrage. P. 5.—Sandy meadows and banks; very rare. V. Roadside nr. Hurstmonceux Castle, *R.*

CHRYSOSPLENIUM OPPOSITIFOLIUM, *L.* Opposite-leaved Golden Saxifrage. P. 3-5.—By rills and in wet shady places; rather rare. I. Harting, *W.* Nr. Midhurst, *H.E.F.* Cocking, *F.V.P.* Aldsworth nr. the Sheep Wash, by the Chichester Road. Watery Lane, Funtington. Petworth, by the Virgin Mary's Spring. At the foot of Bignor Hill, Barlavington. II. Slinfold, 1905, *Rev. A. A. Evans.* III. Hurstpierpoint, *W.M.* IV. Sheffield Forest, *N.J.T.* Barcombe, *U.* Burstow Bridge and Birchgrove. V. Nr. Hellings. Wartling, *R.* Abbot's Wood, *W.H.B.F.* V. Abundant in the Battle and Catsfield neighbourhood, 1895, *E.S.S.* VI. Ecclesbourne. Hollington Wood, nr. Old Roar, *B.* VII. About Tunbridge Wells, com., *E.J.*

UMBELLIFERÆ.

HYDROCOTYLE VULGARIS, *L.* Marsh Penny-wort. White-rot. P. 5-7.—Bogs and wet meadows; com.

SANICULA EUROPÆA, *L.* Wood Sanicle. P. 6-7.—Woods; very com.

ERYNGIUM MARITIMUM, *L.* Sea Holly. P. 7-8.—Sea beach; not com. westward. I. Thorney Island, *A.* Clypling Sands, abund., *W.H.B.F.* Bet. Aldwick and Pagham, 1901, *E.S.M.* Bet. Earnley and Selsey Bill, 1901, *C.E.S.* II. Littlehampton, 1885. III. Aldrington. Hove, *U.* Kingston, *Hb.* *B.* V. Foot of the Cliffs E. of the Cuckmere, Plentiful, *U.* Mouth of the Cuckmere, *R.* VI. Camber Sands, *B.* “I found it plentiful at Rie and Winchelsea in Sussex,” *Gerarde*, 1633.

CICUTA VIROSA, *L.*! Water-Hemlock. Cowbane. P. 7-8.—Ditches; very rare. II. Rev. E. S. Marshall writes: “Mr. E. H. Holmes informs me that this has recently been found growing plentifully by a pond in a park near Pulborough.” I have myself never seen a Sussex specimen, and much doubt the occurrence of this plant in our county. VI. Moat of Bodiam Castle, *Bor. MSS.* Not found recently.

APIUM GRAVEOLENS, *L.* Wild Celery. Smallage. P. 7-8.—Salt marshes and ditches; not uncom. I. W.R. district, freq. Mouth of the Ems. Prinsted. Bosham. Fishbourne Marshes. Appledram, abund. Bognor. Arundel, com. II. Bet. Arundel and Burpham, by the Arun. abund. Littlehampton. III. Ditches bet. Shoreham and Bramber. West Worthing beach. IV. Ditches in Lewes Levels. Nr. Bishopstone Mills, abund., *U.* V. Shingles, nr. Langley. Nr. first sluice bridge, Eastbourne, *R.* VI. Nr. Hastings, rather rare, *B.* Winchelsea, nr. the New Gate, *A. W. Clarke.*

HELOSCIADIUM NODIFLORUM, *Koch.* Procumbent Marsh-wort. P. 7-10.—Streams, ditches, and damp places; very com.

H. INUNDATUM, *Koch.* Least Marsh-wort. P. 6-7.—Pools and ditches; not com. I. Northlands, *Hb. C.* Brandy Hole, Broyle, Chichester. Pool on Westbourne Common, nr. the Workhouse. II. Nr. Redford, *H.E.F.* III. Nr. Brighton, *M.* IV. Pond nr. Beech Wood, Lewes, *U.* The Great Pond, Horsted Keynes, *W.W.* V. Milton Hyde. Nr. Mitchelham, *R.* VI. Winchelsea, *B.* VII. About Tunbridge Wells, *E.J.*

***PETROSELINUM SATIVUM**, *Hoffm.* Garden Parsley. B. 7-8.—Walls and waste ground; not com., usually an escape. "Naturalized on walls at Arundel and Shoreham," *Bot. Sus.*

P. SEGETUM, *Koch.* Corn Parsley. B. 7-9.—Downs, waysides, borders of fields, also on the coast; not com. I. E. Marden, *Hb. T.* Ashling. Prinsted. Fishbourne, nr. the sea. Appledram, by Dell Quay. Pagham, *E.S.M.* III. Hurstpierpoint, formerly, *W.M.* Cliftonville, Brighton, *Hb. B.* IV. By the side of the stream nr. Winterbourne barn, *U.* Southease. V. Roadside, Littlington, rare, *R.* Crumbles, Eastbourne, *F.B.D.* Hove Levels, 1894, *C.E.S.* VI. Bexhill, *O.* Winchelsea, *B.*

SISON AMOMUM, *L.* Stone Parsley. Hedge Honewort. B. 8-9.—Roadsides and banks; com.

ÆGOPODIUM PODAGRARIA, *L.* Gout-weed. Bishop's-weed. S. Ground Elder. P. 6-8.—Damp cult. ground and waste places, nr. houses; not uncom. I. Nr. Midhurst, *H.E.F.* Lordington. Nr. Chichester. W. Ashling. Funtington. Fishbourne. Bosham. Coates and Petworth, *A.* III. Nr. Brighton, *M.* IV. About Lewes, *U.* Horsted Keynes. Birchgrove, Lindfield, *W.W.* Nr. Haywards Heath, *H.H.* V. Littlington. Pevensey Castle, not com., *R.* VI. Nr. Hastings, com., *B.* VII. Hedges by the road from Cross-in-hand to Hadlow Down, *Bor.*

***CARUM CARUI**, *L.!* Caraway. A. 6-7.—Waste places; rare. II. Lower Beeding, *E.E.* III. Whitehawk Down, Brighton, 1901, *T.H.* IV. Seaford, *E.E.* V. Nr. the sea, Eastbourne, *F.B.D.*

BUNIUM FLEXUOSUM, *With.* Common Earth-nut. S. Pig nut. P. 5-6.—Woods and heaths; com.

PIMPINELLA SAXIFRAGA, *L.* Common Burnet Saxifrage. P. 7-10.—Downs and fields; com.

P. MAGNA, *L.!* Great Burnet Saxifrage. P. 7-8.—Banks and roadsides; very rare. V. Copse at Jevington Holt, in considerable abund., *R.* Wilmington Holt, east of Folkington, *E.E.* VI. Bet. Silver Hill and Robertsbridge, a single plant, *Bor.* Obs.—Not found in Hants.

- SIUM LATIFOLIUM, L.** Great Water Parsnip. P. 7-8.—Ditches and marshy places; rare. II. Ditches a little north of Amberley Castle; also nr. the Arun at North Stoke, E.S.M. III. Henfield, *Hb. Bor.* IV. Ditches in the Levels nr. Lewes, *U.* Laughton Levels, E.E. V. Eastbourne Marshes, 1872. Nr. Waterworks, 1874, *R.* VI. Pett, formerly, *B.* Blackwall Bridges, Peasmash, *B.*
- S. ANGUSTIFOLIUM, L.** Narrow-leaved Water Parsnip. P. 7-8.—Streams and damp places; not com. I. Cocker's Mill, Midhurst, *H.E.F.* Chichester Canal. Aldsworth Ponds, *A.* II. Ditches bet. Arundel and Burpham. III. Nr. Brighton, *M.* Clayton and Old Shoreham, *H.H.* IV. Nr. Lewes, in marshy places, somewhat abund., *U.* V. Marsh by Tut Barn. Nr. Decoy. Side of Pevensey road, abund., *R.* VI. Nr. Hastings, rare, *B.*
- BUPLEURUM ROTUNDIFOLIUM, L.** Perfoliate Hare's Ear. Thorow-wax. A. 6-7.—Chalky cornfields; rare. I. Among the corn nr. Westbourne, *Walpole*, 1784. II. Arun district, *Hemsley*. III. Shoreham, 1868, ex-herb., *W.B.H.* IV. Pilt Down, nr. Uckfield, *S.E.* Cornfields nr. Lewes, *U.* VII. Cornfields nr. Tunbridge Wells, *Bot. Sus.*
- B. ARISTATUM, Bartl.** Narrow-leaved Hare's Ear. A. 7.—Downs; very rare. V. First found in 1860, on the Downs nr. Beachy Head, by *Rev. E. A. Holmes*; rediscovered there in 1876 by *Mr. F. C. S. Roper*. Also found in 1879 by the side of the path to Cow Gap by *Mr. J. H. A. Jenner*. Recorded from Sussex and Devon only.
- B. TENUISSIMUM, L.** Slender Hare's Ear. A. 7-9.—Grassy banks by the sea; not uncom. westward, and found occasionally all along the coast. I. Bank bet. Hermitage and Prinsted, abund. Bet. Prinsted Marsh and Nutbourne. Thorney. By Appledram Sluice, *A.* Bosham, *J.G.H.* Sidlesham. Icheneor, *N.B.G.* Bognor, *H.E.F.* II. Littlehampton, *Hb. C.* III. Shoreham, *Hb. T.* IV. Nr. the mouth of the Cuckmere, *U.* Nr. Newhaven, herb., *R. Barrington*. V. Shingles, nr. first sluice bridge, Eastbourne. Bexhill, *R.* South of Berwick Common, *E.E.* VI. Nr. St. Leonards, *O.* Camber, *B.*
- CENANTHE FISTULOSA, L.** Common Water Dropwort. P. 6-9.—Marshes and ditches; com.
- C. PIMPINELLOIDES, L.** Callous-fruited Water Dropwort. P. 6-9.—Meadows and banks; rare. I. Bosham, opposite Dell Quay. Nr. Marker Point, Thorney, 1903, C.E.S. III. Nr. Shoreham, *Salmon*. VI. At the foot of Hastings Cliffs, *N.B.G.* Winchelsea! ex-herb., *W.B.H.*
- C. SILAIFOLIA, Bieb.!** Sulphur-Wort Dropwort. P. 6.—Ditches; rare. II. Amberley, *N.B.G.* IV. Lewes, *N.B.G.* No recent record.
- C. LACHENALII, Gmel.** Parsley Water Dropwort. P. 7-9.—Salt marshes; not uncom. I. Thorney, nr. the

Church. Fishbourne. Bosham, A. Selsey, *H.E.F.* Pagham, *E.S.M.* IV. By the roadside from Newhaven to Seaford, nr. the Buckle Inn, *U.* Inland nr. Alciston, *E.E.* V. Nr. Red House, Pevensey. Nr. Langley, *R.* VI. Pett. Winchelsea, *B.*

C. CROCATA, L. Hemlock Water Dropwort. P. 6-7.—Ditches; very com.

C. PHELLANDRIUM, Lam. Fine-leaved Water Dropwort. B. 7-10.—Ditches and damp places; rather rare. I. Bulrush Pond, Bosham. Old Fishbourne, nr. Old Park. II. Amberley Wild Brooks, *E.S.M.* III. Nr. Brighton, *M.* IV. Nr. the "Lord's Place," Lewes, *U.* V. By Drove. Hailsham. Marsh nr. Horse Eye, *R.* Wartling Wood, nr. Hurstmonceux Castle. Roadside bet. Ninfield and Boreham Street. Hove Level, 1895, *E.S.S.* VI. Bodiam. Pett, *B.* VII. Fenland Ponds, E. Grinstead, *Coleman.* Ifield Millpond, 1898.

ÆTHUSA CYNAPIUM, L. Fool's Parsley. A. 7-8.—Cult. and waste ground; com.

FENICULUM VULGARE, Gaert. Common Fennel. P. 7-9.—On cliffs, probably wild; also in waste ground; rare. I. Nr. St. James' Hospital, Chichester, by the Lavant, long established there. Arundel Park, nr. Swanbourne Lake, *A.* Bognor, *H.E.F.* Shingles west of Pagham, *E.S.M.* III. Lancing, *Hb. D.* Nr. Brighton, abund., *Hb. B.* Cliffs nr. Southwick, and nr. where was the "Pad Inn" formerly, Old Shoreham, *H.H.* IV. Lewes, waste ground nr. Landport, *U.* V. Pevensey, *Ray.* Pevensey Castle, *Bor.* Holywell, *R.* VI. Winchelsea. Rye, not uncom., *B.* VII. Nr. Tunbridge Wells, *E.J.*

SESELI LIBANOTIS, Koch. Mountain Stone Parsley. P. 7-8.—Downs; very rare. IV. Bet. Seaford and Cuckmere, *Hb. Bor.* "On Seaford height among a patch of furze, on the last slope nr. the Cuckmere Blockade Station, 1850; found again there by me and the Rev. C. M. Norman, August, 1860," *W. C. Unwin.* V. Nr. the mouth of the Cuckmere, *R.*

Note.—First observed in Sussex by *Rev. W. H. Coleman*, 1839. Only recorded elsewhere in England from Herts and Cambridgeshire.

SILAUS PRATENSIS, Besser. Meadow Pepper Saxifrage. P. 6-9.—Heaths and meadows; com.

CRITHMUM MARITIMUM, L. Samphire. P. 6-9.—Chalk cliffs and sea beach; rare, formerly much more freq. I. Pilsey, *Hb. Bor.* Selsey Bill, 1874, *A.* Bognor, *H.E.F.* Elmer, Middleton, 1886, *R.W.B.* Earnley, *E.S.M.* II. Littlehampton, *E.S.M.* III. On the beach nr. Copperas Gap, 1860, *U.* Shoreham and Kingston beach, *M.* V. Formerly abund. bet. Beachy Head and Cuckmere Haven, now very scarce, *R.* Shingles, Eastbourne, *E.E.* VI. Cliffs

bet. Ecclesbourne and Fairlight glens, *O.* Winchelsea, *B.*
Obs.—“It groweth at Winchelsey by Rie,” first recorded
by *Gerarde*, 1633.

ANGELICA SYLVESTRIS, *L.* Wild Angelica. P. 7-8.—
Wet woods and ditch sides; com.

PASTINACA SATIVA, *L.* Wild Parsnip. B. 7-8.—Borders
of fields and roadsides; com., especially on the chalk.

PEUCEDANUM PALUSTRE, *Moench.* Marsh Hog’s
Fennel. P. 7-8.—Marshy and fenny places. V. Hurst-
monceux Park, abund., 1899, *G. C. Druce*, Bot. Ex. Club
Rep., 1899.

HERACLEUM SPHONDYLIUM, *L.* Cow Parsnip. S.
Hogweed. P. 6-8.—Hedges; com.

DAUCUS CAROTA, *L.* Wild Carrot. B. 6-8.—Borders of
fields and banks; com.

Var. **GUMMIFER**.—Chalk cliffs. V. Cliffs W. of Cuckmere
Haven, *Hb. Bor.* Holywell, *R.* VI. Ecclesbourne, *B.*

CAUCALIS DAUCOIDES, *L.!* Small Bur Parsley. A. 6.—
Chalky fields; very rare. III. Bet. Beggar’s Bush Barn
and Sompting, *Hb. Bor.* Not found recently. Nr. Custom
House, Kingston-by-Sea, 1900, *T.H.*

TORILIS INFESTA, *Spreng.* Field Hedge Parsley. A.
6-8.—Cult. fields; com.

T. ANTHRISCUS, *Gaert.* Upright Hedge Parsley. P. 7-8.—
Hedges and roadsides; very com.

TORILIS NODOSA, *Gaert.* Knotted Hedge Parsley. A.
5-7.—Dry banks and waysides; not uncom. I. Bank on
the E. side of Prinsted Marsh, abund. Chichester, by the
roadside at the back of the Barracks, and on banks by the
Recreation Ground, freq. About Sidlesham, Pagham, and
Selsey, *E.S.M.* II. Ferring, bank by the shore, *Hb. D.*
III. Bramber, *A.* Nr. Brighton, *M.* IV. Lewes, hedge-
bank nr. the Spittal Barn. By the roadsides nr.
Kingston, *U.* Hamsey, *H.H.* V. Shingles, nr. Langley.
Field by Tut Barn. Southfields, com., *R.* Pevensey Level
to Bexhill, abund., 1894, *C.E.S.* VI. Nr. Hastings, rather
rare, *B.* Nr. Tunbridge Wells, *E.J.*

CHÆROPHYLLUM ANTHRISCUS, *Lam.* Common Chervil.
A. 5-6.—Waste places; rare. III. Nr. Brighton, *M.*
IV. Nr. Lewes by the hedgebank on the Offham road nr.
the Flood Barn, *U.* Camber Sands, *T.H.* VII. Nr.
Tunbridge Wells, *Forster.*

C. SYLVESTRE, *L.* Wild Chervil. Cow Parsley. S.
Rabbit’s-meat. P. 4-6.—Hedges and copses; very com.

C. TEMULUM, *L.* Rough Chervil. B. 6-7.—Hedges and
shady places; very com.

SCANDIX PECTEN-VENERIS, *L.* Venus’ Comb. Shep-

herd's Needle. S. Hedgehog. A. 5-9.—Cult. fields; very com.

CONIUM MACULATUM, *L.* Common Hemlock. P. 6-8.—Woods and hedge banks; not uncom. I. Harting, *W.* Midhurst, *H.E.F.* Racton. Nr. Chichester. Fishbourne. Appledram. Sutton. Petworth. II. Pulborough. Burpham. III. Nr. Brighton, *M.* IV. About Lewes, *U.* V. About Ratton Decoy. Shingles nr. first sluice bridge, Eastbourne. Nr. Wall's-end. Pevensey, *R.* VI. Nr. Hastings, rare, *B.* VII. About Tunbridge Wells, *E.J.*

SMYRNIUM OLUSATRUM, *L.* Alexanders. B. 4-6.—Waste ground, and banks and cliffs by the sea; rare westward. I. Nr. the Recreation Ground, Chichester. III. Roadside bet. Shoreham and Bramber, *A.* Pyecombe, *W.M.* IV. On a bank nr. Southover, Lewes. Hedgerow bet. the Kingston road and the lane leading towards Kingston Mills, *U.* Freq. by roadsides from Southerham to Glynde pit, *H.H.* V. Abund. everywhere nr. Eastbourne, *R.* VI. Hastings, *Bromfield.* Rye Cliffs, abund., *B.*

ARALIACEÆ.

HEDERA HELIX, *L.* Common Ivy. Sh. 3-5.—Woods, walls, and hedges; very com.

CORNACEÆ.

CORNUS SANGUINEA, *L.* Wild Cornel-tree. Dogwood. Sh. 6-7.—Woods, thickets, and hedges; com.

LORANTHACEÆ.

VISCUM ALBUM, *L.* Mistletoe. Sh. 3-5.—Parasitical on various trees; not com. but loc. abund. Not reported from district VI. I. Midhurst, on Thorn, *H.E.F.* Up Park, on White Beam and Hawthorn, com., *W.* Stansted Woods, abund. Cowdray Park, so abund. that cartloads are cut before Christmas, *A.* Goodwood, abund. on Lime, Maple, Hawthorn, and Apple. Selsey, on the Apple, *F. Aylng.* Hahnaker Park, on Lime and Thorn. Spider Gallop, on Thorns, *E.H.D.* Chidham, on Hawthorn. Eastergate. Funtington, abund. Petworth, *A.* Dunton, *Hb. Bor.* Orchards at Sutton and Bignor. Lavington Park, on Poplar, *H.S.* II. Horsham, freq., *G.B.H.* Warningcamp, on Apple. Parham Park, abund., *Rev. E. Page.* IV. Barcombe, *Mr. H. Saxby.* V. Polegate, Ratton, on Apple, introd., *R.* VII. Eridge Park. Buckhurst Park and elsewhere nr. Tunbridge Wells, on Hawthorn, Apple, &c., *E.J.*

Note.—The only ex. I have ever seen on the Oak was brought from Northchapel to Petworth, circa 1845.

CAPRIFOLIACEÆ.

ADOXA MOSCHATELLINA, *L.* Tuberous Moschatel. P. 3-5.—Damp, shady banks; not uncom. I. Harting, W. Stansted Woods, abund. Hare's Lane, Racton. Lordington. Funtington. Oakwood. Glatting, *A.* Bosham, *J.G.H.* Lavington, Graffham, and Heyshott, *E.S.M.* II. Woods nr. Horsham, *G.B.H.* Tedfold, nr. Billingshurst, abund., *S.E.* III. Keymer, *Hb. B.* IV. Blind Lane, Iford. By the roadside nr. Barcombe Church, *U.* V. Gardner-sheet. Wannock, rather rare, *R.* VI. Hastings. Battle, not uncom., *B.* VII. Nr. Tunbridge Wells, freq., *E.J.*

SAMBUCUS NIGRA, *L.* Common Elder. Sh. 7-8.—Woods and hedges; com.

Var. **LACINIATA**.—I. Bosham, in a lane nr. Lower Hone, *A.* Hunston Wood, 1891, *A.* II. Amberley, 1897, *A.* IV. Berwick, doubtfully native, *E.E.*

S. EBULUS, *L.* Dwarf Elder. Danewort. Sh. 7-8.—Banks, waste places; rare. I. Harting, S. side of Tipper Lane and in a meadow nr. the Hatches on Hurst Farm, W. Eastdean. Dell-hole field, Chichester, *F.V.P.* Nr. Glatting, abund., *H.S.* Deep Dell, nr. Cocking, 1902, *F.V.P.* Roadside west of Lavington House, *E.S.M.* III. Poynings, *W.M.* Bramber Castle, *Salmon.* Edburton, nr. the Devil's Dyke, *Rev. A. K. Nairne.* IV. Lewes, *Bot. Sus.* Under Firle Beacon, Blatchington, *E.E.* VI. By Etchingham Churchyard wall and in the field adjoining, *E.J.*

VIBURNUM OPULUS, *L.* Guelder Rose. Stink-tree. Sh. 6-7.—Wood and copses; rather com. I. Nr. Midhurst, *H.E.F.* Waste nr. the Severals, Harting, W. Oakwood, nr. Chichester, abund. Aldermere, Westbourne, *A.* II. Washington. Borstal, *Hb. D.* III. Nr. Brighton, *M.* IV. Love Lane, Lewes, *U.* By stream, Lindfield Road, *W.W.* V. Bet. Polegate and Folkington, rare, *R.* VI. Nr. Hastings. Guestling, not uncom., *B.* VII. Nr. Tunbridge Wells, com., *E.J.*

V. LANTANA, *L.* Wayfaring Tree. Mealy Guelder Rose. Sh. 5-6. Woods and hedges; very com. on the chalk, and reported from all the districts except VI.

LONICERA CAPRIFOLIUM, *L.* Perfoliate Honeysuckle. Shr. 5-6.—Hedgerows; rare. I. Hedgerow nr. E. Marden, *Hb. Bor.* Arundel, 1901, *H.C.M.* III. Clayton, *H.*

L. PERICLYMENUM, *L.* Common Honeysuckle. Woodbine. Sh. 6-9.—Woods and hedges; com.

L. XYLOSTEUM, *L.* Upright Fly Honeysuckle. Shr. 5-6.—Woods; very rare. II. Amberley, "In a copse called the Hacketts, E. of Houghton Bridge, four miles from Arundel, certainly wild," *Borrer.* Found there by W. Collins, Esq., August 25, 1843; by myself June 5, 1852;

and by J. A. Blagden, Esq., 1876. Copses E. towards Rackham, *Bromfield*. III. Several bushes in the lane up to Steyning Borstal, in the hedge of what now is a field; but may once have been a garden, *R. A. Pryor*. V. Wilmington Holt, *E.E.*

RUBIACEÆ.

RUBIA PEREGRINA, *L.* Wild Madder. Copses and stony places; very rare. I. Above Houghton Chalk Pits. Offham, *Bot. Sus.* Hanger bet. Arundel and the "Black Rabbit," *W.H.B.F.* Entrance to Arundel Park by Swanbourne Lake, 1886, A. Copse on north slope of the Downs nr. Sutton, *E.S.M.*

GALIUM CRUCIATUM, *With.* Crosswort. P. 4-6.— Woods, banks, and roadsides; com. VI. Very rare in E.R. district, *B.*

G. VERUM, *L.* Yellow Bedstraw. P. 6-9.—Downs, pastures, and seashores; com.

Var. *OCHROLEUCUM*.—III. Sea bank nr. Lancing, *O.* IV. West of Alfriston, *E.E.* V. Top of the Downs above the Links, Eastbourne, *R.* VI. Camber, *B.*

G. ERECTUM, *Huds.* Narrow-leaved Great Bedstraw. P. 6-8.—Banks and shingles; rare. III. Portslade, *Hb. Bor.* Nr. Brighton, *Hb. B.* IV. Field bet. Horsted Keynes and "Valley Holme," *W.W.* Wivelsfield! 1895, and pit nr. Seaford! 1900, *T.H.* V. Foot of the Downs at the west end of Motcombe Lane, west of the Workhouse, Eastbourne! 1888, *R.* VI. In a meadow, Fairlight! 1876, *E.N.B.*

G. MOLLUGO, *L.* Common Great Bedstraw. P. 7-8.— Hedges and banks; very com.

Var. *INSUBRICUM*.—III. Shingle Beach, Shoreham, *O.*

G. SAXATILE, *L.* Heath Bedstraw. P. 6-8.—Downs and heaths; com.

G. PALUSTRE, *L.* Marsh Bedstraw. P. 7-8.—Marshes and ditches; com.

Var. *WITHERINGII*.—VII. Tilgate Forest, *J.L.* Common in West Sussex.

G. ULIGINOSUM, *L.* Rough Marsh Bedstraw. P. 7-8.— Boggy and marshy ditches; apparently not com. I. Downpark, Harting, *W.* Fishbourne Marshes, nr. the Waterworks. Duncton Common, *A.* II. Chiltington Common. III. Nr. Henfield, *Bor.* Nr. Pond, Clayton, *H.H.* IV. Wet meadows, nr. Lewes, *U.* V. Peaty ground at Hove, nr. Bexhill, *J.H.A.J.* VII. Bogs in Waterdown Forest towards Eridge, *Forster*. Nr. Tunbridge Wells, not rare, *E.J.*

G. SYLVESTRE. Mountain Bedstraw. *Poll.* P. 6-7.—Dry hills; rare. III. Clayton, 1893, *H. Hemmings.* Obs.—

Found in Surrey, but absent apparently from Kent and Hampshire.

G. APARINE, *L.* Goose-grass. Cleavers. A. 5-9.—Cult. and waste ground; very com.

G. ANGLICUM, *Huds.* Wall Bedstraw. A. 6-7.—Dry sandy places. IV. West of Alfriston, *E.E.* A new plant to Sussex.

G. TRICORNE, *With.* Rough Corn Bedstraw. A. 6-9.—Cornfields, on the Downs; not com. I. Field on the Downs above Sutton, *E.S.M.* III. Beeding, *N.B.G.* Nr. Brighton, *M.* Cornfield nr. Billingshurst, 1899, *C.E.S.* IV. Ringmer, *J.H.A.J.* Hamsey, *H.H.* V. Cornfield nr. Beachy Head. Bet. Meads and Beachy Head, rather rare, *R.* VI. Top of a cliff to the W. of St. Leonards, *Bromfield.* Fairlight, rare, *B.*

ASPERULA ODORATA, *L.* Sweet Woodruff. P. 5-6.—Woods; not uncom. I. Harting, *W.* Oakwood, Funtington, abund. Charlton Forest. Duneton Hill, *A.* Fair Mile Bottom, *E.H.D.* Graffham, scarce, *E.S.M.* III. Woods nr. Brighton, *M.* IV. Nr. Lewes, *U.* V. Gnat Wood. Abbot's Wood. Park Wood. Carter's Corner, com., *R.* VI. Nr. Hastings, by Old Roar, *B.* VII. Nr. Tunbridge Wells, com., *E.J.*

A. CYNANCHICA, *L.* Small Woodruff. Squinancy-wort. P. 6-8.—Downs and chalky banks; very com.

SHERARDIA ARVENSIS, *L.* Little Field Madder. A. 4-10.—Cornfields and waste places; com.

VALERIANACEÆ.

*CENTRANTHUS RUBER, *DC.* Red Valerian. P. 6-9.—Old walls and rocks. Also "here and there on the cliffs," *H.*; not com. I. S. Walls, Chichester, abund. Arundel Castle. II. Old walls nr. Horsham, *G.B.H.* About Tunbridge Wells, not indigenous, *E.J.* III. Chalk cliffs by London Road Railway Station, Brighton, *A.* Old brick kiln nr. Broadmere, Henfield, *H.H.* V. Eastbourne, *R.*

VALERIANA DIOICA, *L.* Small Marsh Valerian. P. 5-6.—Wet places and sides of streams; rather rare. I. By the roadside, nr. Westbourne Mill. Marsh nr. Aldsworth. Watery Lane, Funtington. Hunston. II. Nr. Horsham, *G.B.H.* III. Hurstpierpoint. Henfield, *W.M.* IV. Ouse district, not com., *H.* VII. About Tunbridge Wells, freq., *E.J.*

V. OFFICINALIS, *L.* Great Wild Valerian. P. 6-7.—Damp woods and ditches; not com. in the extreme W. of the county. I. Nr. Midhurst, *H.E.F.* Harting, *W.* Nr. Arundel, abund. II. St. Leonard's Forest, *G.B.H.* Greatham Bridge, *S.E.* Bet. Pulborough and Chiltington, abund. III. Nr. Brighton, *M.* IV. Nr. Lewes, on the

banks of Cockshut stream, nr. the bridge, *U.* VI. Nr. Hastings, rare, *B.* VII. Nr. Tunbridge Wells, com., *E.J.*

Var. *SAMBUCIFOLIA*.—Freq. on the lower greensand in damp places, *E.S.M.* III. Henfield Levels, 1894, *H.H.* IV. Wheeler Wood, Horsted Keynes, 1900, *W.W.*

Var. *MIKANII*, *Syme*.—I. Abund. in copses on the Downs above Graffham and Lavington. Com. on the chalk. II. Copse on Amberley Mound, 1899, *C.E.S.* III. Foot of Chanctonbury Hill, 1902, *T.H.* IV. On chalk above Plumpton, *E.E.* VII. Faygate, 1904, *C.E.S.* Flowers frequently white.

VALERIANELLA OLITORIA, *Moench*. Common Lamb's Lettuce. A. 4-6.—Old walls, waste places and banks by the sea; not com. I. Banks bet. Hermitage and Thorney, abund. Bank nr. the City boundary stone, beyond W. Gate, Chichester. Pagham. Lodsworth, *E.S.M.* Nr. Westbourne Cemetery, *A.* III. Patcham. Brighton, nr. Rifle Butts, *Hb.* *B.* Aldrington beach, *M.* IV. About Lewes, com., *U.* V. Mill Gap. Hurstmonceux Castle, rare, *R.* VI. Camber, scarce, *B.* VII. Nr. Tunbridge Wells, *E.J.*

V. AURICULA, *Moench*. Sharp-fruited Lamb's Lettuce. A. 6-7.—Cult. ground; rare. I. Nr. Midhurst, *H.E.F.* VI. Around Hastings in various places. In profusion nr. Valebrook Farm, *N.B.G.* On the N. side of the brook that runs through the hop grounds, Hastings, *Bromfield*. Guestling. Pett, *B.*

V. DENTATA, *Koch*. Narrow-fruited Lamb's Lettuce. A. 6-8.—Cornfields; rather com. I. West Ashling. Slindon, *A.* Norwood, Lavington. Bosham, *E.S.M.* Arundel, *Rev. A. A. Evans.* III. Nr. Newhaven, *N.B.G.* Nr. Brighton, *M.* IV. Cornfield beyond Kingston Mills, *U.* Station Road, Horsted Keynes, 1900, *W.W.* V. Field nr. Beachy Head. Above the Workhouse, Eastbourne. Nr. Green-street, *R.* VI. Nr. Hastings, somewhat rare, *B.* VII. Field nr. Grange Road Station, 1895, *C.E.S.*

Var. *MIXTA*, *Dufr.*—III. Stanmer Park, 1895, *T.H.* Nr. Newick Station! 1894, *T.H.*

DIPSACEÆ.

DIPSACUS SYLVESTRIS, *L.* Wild Teasel. P. 8-9.— Woods and roadsides; com.

D. PILOSUS, *L.* Small Teasel. Shepherd's Staff. P. 8-9.—Damp hedges; rare. I. Valley of the Ems in several places, freq. Stoughton, Walderton. Roadside nr. Racton Church, abund., *A.* About Arundel, not uncom. Bet. Swanbourne and the "Black Rabbit," abund., *W.H.B.F.* III. West Grinstead, *E.E.*

SCABIOSA SUCCISA, *L.* Devil's-bit Scabious. S. Blue-

ball. Blue-kiss. P. 8-10.—Heaths, woods, and pastures; com.

S. COLUMBARIA, *L.* Small Scabious. P. 6-8.—Dry banks and pastures on the chalk; not uncom. Not reported from districts VI. and VII. I. Harting, W. Walderton Down. Racton, above Adsdean. Lavant. Singleton, A. Arundel Park. Nr. "Steyning Guide Post," *W.H.B.F.* Graffham Down, *E.S.M.* II. Burpham. III. Downs nr. Brighton, very abund., *M.* IV. Downs nr. Lewes, abund., *U.* V. Above Meads, Ratton. Littlington. Beachy Head, loc. abund., *R.*

S. ARVENSIS, *L.* Field Scabious. P. 6-8.—Fields and waste places; com.

COMPOSITÆ.

ONOPORDUM ACANTHIUM, *L.* Cotton Thistle. Scotch Thistle. B. 7-9.—Waysides and waste places by the sea; not com. I. Aldwick, nr. Bognor, A. Avisford, by the side of the Chichester road, *Hb. D.* II. Bet. Arundel and Burpham, *Miss R. L. Arnold.* III. Shoreham, *Hb. T.* Southwick, *Hb. Bor.* IV. Telscombe, *T.H.* V. Ratton. Shingles nr. first sluice bridge, Eastbourne, abund., *R.*

*SILYBUM MARIANUM, *Gaert.* Milk Thistle. B. 5-7.—Waste places, nr. houses; not uncom. as a casual. I. West Ashling. Hermitage. Nr. Chichester. III. Nr. Brighton, *Hb. B.* V. Border of Marsh, Eastbourne. Willingdon road, nr. the Cemetery, *R.* VI. Hastings, *B.*

CARDUUS TENUIFLORUS, *Curt.* Slender-flowered Thistle. B. 5-8.—Waste ground by the sea; rather rare westward. I. Bet. Hermitage and the sea, A. West Wittering, A. Selsey, 1901, *W.M.R.* Bosham, 1900, *Rev. A. Haines.* II. Littlehampton beach, abund., 1885. III. Shoreham, *Hb. T.* Brighton cliffs, freq., *M.* IV. Nr. Alciston pit, *E.E.* V. Pevensey road. Shingles nr. Langley, abund. Wilmington, *R.* VI. Nr. Hastings, not uncom., *B.*

C. NUTANS, *L.* Musk Thistle. B. 5-9.—On the Downs and dry waste ground; rather com. Not reported from districts VI. and VII. I. Harting, W. Nr. Midhurst, *H.E.F.* Racton. Funtington. Arundel. Goodwood, Kingley Vale, A. II. Burpham, A. High Down, Ferring, *Hb. D.* III. Ditchling, *O.* Downs nr. Brighton, com., *M.* IV. Lewes Downs, abund., *U.* V. Downs nr. Paradise. Jevington Holt. Nr. Wilmington. Pevensey road, *R.*

C. CRISPUS, *L.* Welted Thistle. B. 6-10.—Roadsides and waste places; not uncom. westward. I. Nr. Midhurst, *H.E.F.* Ashling. Nr. Southgate, Chichester. Fishbourne. Lavant, com. Singleton. II. Burpham. III. Nr. Brighton, *Hb. B.* IV. About Lewes, com., *U.* V. Ratton. Littlington. Willingdon, com., *R.* VI. Nr. Hastings, rare, *B.* VII. Nr. Tunbridge Wells, *E.J.*

- HYBRID CARDUUS CRISPUS X. NUTANS.**—Field bet. Graffham and Heyshott, *E.S.M.*
- C. **LANCEOLATUS**, *L.* Spear Thistle. B. 6-11.—Fields and waste ground; very com.
- C. **ERIOPHORUS**, *L.!* Woolly-headed Thistle. B. 7-8.—Chalky pastures; rare. Included in the supplement to the "Cybele Britannica," but no loc. given, *H.* III. Nr. Brighton, *M.*
- C. **PALUSTRIS**, *L.* Marsh Thistle. P. 7-8.—Wet places; very com.
- C. **PRATENSIS**, *Huds.* Meadow Thistle. P. 5-7.—Wet woods and boggy meadows; not com. I. Stansted Woods, freq. Aldermere, Westbourne. Oakwood, nr. Chichester, sparingly. II. Chiltington Common, 1902, *A.* III. Nr. Brighton, *M.* IV. In a boggy copse nr. Wylie, E. Hoathly, *U.* Sheffield Forest, *M.R.D.* VI. Waterdown Forest, *Hb. C.* Fairlight, *N.B.G.* Hastings district, rather rare, *B.* VII. In a wood nr. Fenland Ponds and from thence along the brook to Brambletye. Imberhorne Wood. Gargle Wood and Field, and elsewhere nr. E. Grinstead. Wood above the pond, Horsted Keynes, *Coleman.*
- C. **ACAU LIS**, *L.* Dwarf Thistle. P. 6-9.—Downs and dry places; com. on the chalk and found in all the districts.
- C. **ARVENSIS**, *Curt.* Creeping Thistle. P. 7-8.—Cult. ground and roadsides; very com.
- HYBRID C. FORSTERI**, *Sm.*—III. Ditchling Common, *Bor.* VI. Waterdown Forest, *Hb. C.* Boggy spot in a wood at Frant, *Forster.* Guestling, growing with *C. Crispus*, *B.* VII. Nr. Eridge, *Bor.* In the Gargle Wood and an adjoining pasture called the Gargle West Field, on the farm of Mays, three miles S. of E. Grinstead, *Coleman.* Obs.—Pratensi X. Palustris.
- CARLINA VULGARIS**, *L.* Carline Thistle. B. 6-8.—Downs; also on shingles; not uncom. I. Harting, *W.* Nr. Adsdean. Bow Hill. Roche's Hill. Hahnaker Down. Arundel Park, *A.* Graffham Down, *E.S.M.* II. High Down, Ferring, *Hb. D.* Storrington Down. III. Nr. Brighton, abund., *M.* IV. Lewes Downs, very com., *U.* V. Cow Gap. Rattton. Bexhill. Nr. Langley, loc. abund., *R.* VI. Nr. Hastings, loc. com., *B.* VII. Nr. Tunbridge Wells, *E.J.*
- ARCTIUM MAJUS**, *Schkuhr.* Greater Burdock. S. Clotbur. B. 8.—Waste places and roadsides; com.
- A. **MINUS**, *Schkuhr.* Lesser Burdock. B. 8.—Copses and waste places; very com.
- A. **INTERMEDIUM**, *Lange.* Intermediate Burdock. B. 8.—Waste places; apparently rare. II. Roadside nr. Goring, *O.* III. Nr. Roedean, nr. Rottingdean, *J. L.*

Warren, in litt. to *W.H.B.*, 1874. V. Ratton Decoy. Nr. Cow Gap, *R.*

Note.—The distribution of the Burdocks is little known, and the recorded stations for the species are sometimes doubtful.

A. *NEMOROSUM*, *Bab.* Narrow-leaved Burdock. B. 8.—Waste places; not com. II. Billingshurst, 1895, *A. Webster*. III. Saddlescombe, *Miss M. Robinson*, 1895.

SERRATULA TINCTORIA, *L.* Common Saw-wort. P. 7-8.—Woods and thickets; not uncom. I. Racton. Stansted. Funtington. Oakwood, abund., *A.* Old Broyle, Chichester, *Hb. T.* Binsted, *W.H.B.F.* Graffham and Lavington, scarce, *E.S.M.* II. Rusper, *Hb. D.* III. Nr. Brighton, *M.* IV. On Chailey N. Common, freq. among the heath and furze, also in Ashdown Forest. Nr. Maresfield. In a copse nr. Plumpton Cross Ways, *U.* V. Wilmington Wood. Gnat Wood. Nr. Waldron. Heathfield, *R.* VI. Dallington Forest. Netherfield. Heathfield, *B.* VII. Nr. East Grinstead and about Three Bridges, 1895, *C.E.S.*

**CENTAUREA JACEA*, *L.* Brown-rayed Knapweed. P. 7-8.—Meadows; rare. III. Nr. Henfield, *Bor.* IV. Nr. Plumpton Crossways, 1872, *U.* Meadows about Fletching, *Hb. D.* VI. Fairlight. Meadows at Guestling, apparently native, *B.*

C. *NIGRA*, *L.* Black Knapweed. S. Button-weed. P. 6-9.—Pastures, borders of fields and roadsides; very com.

Var. *DECIPiens*.—I. Waltham Hill, border of Dunton Common, *E.S.M.*

C. *SCABIOSA*, *L.* Greater Knapweed. P. 7-9.—Downs and roadsides, chiefly on the chalk; not com. in the eastern districts. I. Nr. Midhurst, *H.E.F.* Harting, *W.* Nr. Aldingbourne, *E.H.D.* Lordington. Near Racton Tower. Westbourne. Arundel. Barlavington. Graffham. Upwaltham, *E.S.M.* II. Burpham. III. Nr. Brighton, *M.* Nr. Shoreham Cement Works, white var., 1885, *A.* IV. About Lewes, com., *U.* V. Downs, Littlington, rather rare, *R.* VI. Hastings district, rare, *B.* VII. Nr. Tunbridge Wells, not unfreq., *E.J.*

C. *CYANUS*, *L.* Corn Flower. S. Blue-bottle. A. 6-8.—Cornfields; not com. westward. I. Westbourne. Pagham, *A.* Bersted, *W.H.B.F.* Westergate, *E.H.D.* III. Nr. Brighton Racecourse, *Hb. B.* IV. Lewes, nr. Kingston Mills, nr. Northease, and elsewhere, *U.* V. Nr. Belletout. Lullington. Green Street, loc. abund., *R.* VI. Nr. Hastings, rare, *B.* VII. About Tunbridge Wells, freq., *E.J.*

C. *CALCITRAPA*, *L.* Common Star Thistle. A. 7-9.—Downs, and waste places by the sea; rather rare. I. Chidham, *Hb.* *Bor.* Appledram, by the Salterns, 1877, *A.F.* Bosham, 1876, *W.J.* Burpham, 1904, *H.C.M.* II.

Ferring, 1850, *Hb. D.* III. Cissbury, *W.H.B.F.* Broadwater Green. Dyke Road, Brighton, abund., *F.V.P.* Kingston, by the roadside, 1890, *S.B.* By Shoreham Harbour, 1895, *A.* Saddlescombe, 1902, *Miss M. Robinson.* IV. Lewes. Hound-dean, nr. the Shepherd's Cottage, plentiful, *U.* Blatchington, *E.E.* V. Nr. Cow Gap. Crowlink, rather rare, *R.*

C. *SOLSTITIALIS*, *L.* St. Barnaby's Thistle. Yellow Star Thistle. A. 7-9.—Cult. fields; rare. I. Bosham, among clover, 1876, *J.G.H.* Portslade. Patcham, but not established, *N.B.G.* Dyke Road, Brighton, *S.E.* V. Lucerne field, Upperton, Eastbourne, *R.* Nr. Windoor Mill, Wilmington, *Rev. E. Ellman.*

CHRYSANTHEMUM SEGETUM, *L.* Corn Marigold. Yellow Ox-eye. A. 6-9.—Cult. fields; loc. abund., but not com. westward. I. Selsey, *H.E.F.* Midhurst, *F.V.P.* Nr. Burton Park, *Hb. C.* Funtington. Racton, rare. Gorehill, Petworth, *A.* II. Nr. Pulborough, abund. III. Nr. Brighton, *M.* IV. On sandy soil, nr. Maresfield, *U.* V. Nr. Eastdean, rare, *R.* VI. Ore. Hastings district, not uncom., *B.* VII. About Tunbridge Wells, *E.J.*

C. *LEUCANTHEMUM*, *L.* Great White Ox-eye. S. Moon Daisy. P. 7-8.—Pastures and roadsides; very com.

MATRICARIA PARTHENIUM, *L.* Common Feverfew. P. 7-8.—Waste places; occas. I. Harting, *W.* Hunston, *A.* III. Nr. Brighton, *M.* V. Wilmington, *R.* VI. Winchelsea, *B.* VII. About Tunbridge Wells, freq., *E.J.*

M. *INODORA*, *L.* Scentless Mayweed. A. 6-11.—Cornfields and waysides; com.

Var. *MARITIMA*.—I. Thorney Island. Shore nr. Prinsted, 1886. Cockbush, 1874, *A.* Coast from Bognor to Earnley, *E.S.M.* West Wittering, *A.* III. Shingles bet. Worthing and Hove, *W.H.B.F.* Blackrock. Southwick, *Hb. B.*

M. *CHAMOMILLA*, *L.* Wild Chamomile. A. 6-7.—Cult. and waste ground; com.

TANACETUM VULGARE, *L.* Tansy. P. 8-9.—Roadsides and banks; loc., but widely distributed. I. Nr. Midhurst, *H.E.F.* Selham, *E.H.D.* Selsey, *Hb. C.* Fishbourne. Arundel Park. Coultershaw, nr. Petworth, abund. Stopham Bridge, *A.* II. Pulborough, *S.E.* Bet. N. Stoke and Amberley, *U.* Warningcamp. Bank of the Arun nr. Houghton Bridge, *W.H.B.F.* III. Nr. Brighton, *M.* Patch by Ockley Lane, Keymer, *H.H.* IV. Nr. Offham Chalk Pit, sparingly, *U.* V. Nr. Polegate, rare, *R.* VI. Nr. Guestling, rather rare, *B.* VII. About Tunbridge Wells, *E.J.*

ANTHEMIS COTULA, *L.* Stinking Mayweed. S. Morgan. A. 6-9.—Cult. ground and roadsides; com.

- A. ARvensis, L. Corn Chamomile. A. 5-7.—Cult. ground; not com. I. Ashling. Nr. Oakwood. Lavant. III. Aldrington, M. Withdean, H.H. V. Bet. Eastdean and Beachy Head. Top of Down nr. Clapham Hill. Magham Down, N. of Hailsham, R. VI. Waterdown Forest, H.b. C. Winchelsea. E.R. district, somewhat rare, B. VII. Nr. Withyham, Forster.
- A. NOBILIS, L. Common Chamomile. P. 6-9.—Heaths and commons; freq.
- ACHILLEA MILLEFOLIUM, L. Common Yarrow. Milfoil. P. 6-9.—Roadsides and waste places; very com.
- A. PTARMICA, L. Sneeze-wort Yarrow. S. Goose-tongue. P. 7-9.—Woods and borders of fields; rather rare. I. Harting, W. Holden Hill, H.E.F. Stansted Woods, freq., A. Westbourne Common, Bosham, Rev. F. Haines. Oak Wood, W. Jeffery. II. St. Leonard's Forest, in various places, Luxford. III. Hurstpierpoint. Poynings, W.M. Thakeham, C.E.S. IV. Fletching, M.R.D. By the sides of ditches nr. Landport, Lewes. On the Broyle, Ringmer, &c., U. West Hoathly. Birchgrove, W.W. Chailey Common, H.H. V. Abbot's Wood. Arlington, rather rare, R. VI. Westfield. Hastings district, rare, B. VII. Roadside nr. E. Grinstead, J.L.
- ARTEMISIA ABSINTHIUM, L.! Common Wormwood. P. 8-9.—Waste ground; rare. III. Adur district, H. VII. Nr. Tunbridge Wells, E.J.
- A. VULGARIS, L. Mugwort. P. 7-9.—Roadsides and waste places; very com.
- A. MARITIMA, L. Sea Wormwood. P. 8-9.—Seaside waste; not uncom. all along the coast.
Var. GALLICA.—I. Bosham, Hb. C. Thorney, nr. Pilsey, A. III. Shoreham, Hb. C. V. Nr. Eastbourne, R. VI. Pett, Prof. T. Dyer.
- FILAGO GERMANICA, L. Common Cudweed. A. 6-9.—Dry fields; very com.
- F. APICULATA, G. E. Sm.! Red-tipped Cudweed. A. 7-8.—Dry cult. fields; rare. I. Sandy field nr. Graffham. Norwood Farm, and nr. Lower Barn, Lavington. Mostly the scarce form, with straw-coloured phyllaries; only two or three specimens of the usual red-tipped plant were found, E.S.M. V. Chalky field above Eastbourne Cemetery. Michel Dean, R.
- F. SPATHULATA, Presl.! Small broad-leaved Cudweed. A. 7-8.—Dry fields; rare. I. Cornfields north of Bosham, E.S.M. III. Adur district, Hon. J. L. Warren. Broadwater Common, nr. Worthing, 1872; spec. in the Brighton Museum.
- F. MINIMA, Fr. Least Cudweed. A. 6-9.—Gravelly and sandy ground; not com. eastward. I. Harting, W. Mid-

hurst Common. Westbourne Common. Duncton Common, A. Ambersham, Graffham, and Coates Common, nr. Petworth, E.S.M. II. Pulborough. III. Nr. Brighton, M. IV. Chailey Common. Nr. East Hoathly. Chiddingly, U. Piddinhoe, E.E. V. Waldron, rare, R. VI. St. Leonards, B. VII. Nr. Tunbridge Wells, freq., E.J. Tilgate, E.E.

GNAPHALIUM LUTEO-ALBUM, *L.!* Jersey Cudweed. A. 7-9.—Gravelly places; very rare. I. "Said to have been found on Bognor Rocks, *Bot. Sus.*, but sought there in vain by Borrer," N.B.G.

Note.—As I met with this plant in the summer of 1886, at Hayling Island, nr. the Sussex border, it may perhaps occur in the W. part of the county, F.H.A.

G. ULIGINOSUM, *L.* Marsh Cudweed. A. 7-9.—Damp places, roadside waste; com. in all the districts.

G. SYLVATICUM, *L.* Upright Cudweed. P. 7-9.—Woods; not com. I. Nr. Stedham Mill, H.E.F. Stansted Woods, *Hb. C.* Forest Side, 1888, *Mrs. Parson*. IV. Chailey, by the side of the lane leading from E. Hoathly to Hawk-hurst, U. V. Border of a wood nr. Waldron, R. Abbots Wood, E.E. Farthing Woods, 1895, *E. S. Salmon*. VI. Hollington Woods, B. Heath nr. Cade Street, and on Old Mill Farm, nr. Mayfield, 1892, *C.E.S.* VII. Nr. Tunbridge Wells, not unfreq., *E.J.*

SENECIO VULGARIS, *L.* Common Groundsel. A. 1-12.—Cult. and waste ground; everywhere.

S. SYLVATICUS, *L.* Mountain Groundsel. A. 7-9.—Woods and gravelly places; not uncom. I. Harting, W. Nr. Midhurst, H.E.F. William Wood, *Hb. C.* Stansted Woods, freq. Oakwood. The Broyle, Chichester, abund. II. Bet. Pulborough and Chiltington. III. Nr. Brighton, M. IV. Nr. Lewes, U. V. Shingles nr. Pevensey road, Eastbourne. Wood nr. Wannock, R. VI. Nr. Guestling, not uncom., B. VII. Nr. Tunbridge Wells, *E.J.*

S. VISCOsus, *L.!* Stinking Groundsel. A. 7-9.—Waste ground; very rare. I. Nr. Fittleworth Station, 1901, *Mr. B. Reynolds*. V. Shingles, Eastbourne, E.E. VI. Railway bank nr. Frant, probably brought with ballast from Rye, 1858, A. Carr. On the shingly road bet. Rye and Rye Harbour, rather abund. Camber, 1883, B.

S. SQUALIDUS, *L.* Inelegant Ragwort. A. 6-10.—Old walls. I. Chichester, North Walls; introduced from Oxford, 1898; now naturalized.

S. ERUCÆFOLIUS, *L.* Hoary Ragwort. P. 7-9.—Rough pastures and roadsides; not uncom.

S. JACOBÆA, *L.* Common Ragwort. P. 7-9.—Waste ground; very com.

S. AQUATICUS, *Huds.* Marsh Ragwort. P. 7-9.—Wet places; com. westward. I. Harting, W. Nr. Midhurst,

- com., *H.E.F.* Racton. Fishbourne Marshes, com. Bosham. Ashling. II. Pulborough. Amberley Wild Brooks, 1899, *Rev. A. A. Evans.* III. Ferring, *Hb. D.* Angmering, *Hb. D.* Nr. Brighton, *Hb. B.* IV. Lewes Levels, and marshy meadows, very com., *U. V.* Wilmington Wood, rare, *R.* VI. Mayfield, *E.E.* VII. Ifield, *E.E.*
- S. *CAMPESTRIS, DC.* Field Fleawort. P. 5-6.—Downs; rare. III. Slopes of the Dyke, Brighton, *O.* Wolstonbury Beacon. Banks at Saddlescombe, *M.R.* Newtimber, *W.M.* IV. Lewes, on the bank of the Old London road beyond the Spittal Barn. Nr. Mount Caburn, abund., *U.* V. Bet. Eastdean and Beachy Head, loc. abund., *R.*
- **DORONICUM PARDALIANCHES, L.* Great Leopard's-bane. P. 7-8.—Woods and wet meadows; rare. III. Nr. Saddlescombe, *M.R.*
- BIDENS CERNUA, L.* Nodding Bur Marigold. A. 7-9.—Ditches and marshy places; not uncom. I. Harting, *W.* By the *W.* Rother, nr. Midhurst, *H.E.F.* Racton. *W.* Ashling. Bosham. Fishbourne. II. Roadside, Storrington, *W.H.B.F.* Pulborough. III. Nr. Shoreham. Nr. Brighton, *M.* IV. By a small pond nr. the Nursery, Offham, *U.* V. Bet. Pevensey and Wartling. Nr. Hurstmonceux Castle, *R.* VI. Nr. Hastings, rare, *B.* Nr. Tunbridge Wells, *E.J.*
- B. TRIPARTITA, L.* Trifid Bur Marigold. A. 7-9.—Pools and marshy places; not com. I. Midhurst, *H.E.F.* Nr. Bosham Station. Old Fishbourne, pool by the Chichester road, *A.* Appledram. Aldingbourne. II. Pulborough. III. Nr. Brighton, *Hb. B.* Ditchling Common and Broadmere, Henfield, *H.H.* IV. At the edge of the Pells, Lewes, formerly, *U.* Ditches nr. Southover Priory, and at Barcombe, *H.H.* Great Pond, Horsted Keynes, *W.W.* V. Nr. Sidley Green, Bexhill, rare, *R.* VI. Nr. Hastings, not uncom., *B.* Nr. Tunbridge Wells, *E.J.*
- INULA HELENIUM, L.* Elecampane. P. 7-8.—Pastures; very rare. I. Nr. Harting, *H.D.G.* Woolavington, *Bot. Sus.* Sutton. Bignor, *A.* II. Bet. Rackham and Amberley, *Bot. Sus.* III. Henfield, *Bot. Sus.* Edburton, *T.H.* Side of lane in Thakeham parish, 1889, *C.E.S.* IV. Nr. Lewes, *H.D.G.* Berwick, *E.E.* VI. Heathfield, *E.E.*
- I. *CONYZA, DC.* Ploughman's Spikenard. B. 8-10.—Hedges and waste ground; not uncom. on and near the chalk. I. Harting, *W.* Lordington. Racton. Hare's Lane. Ashling Wood. Barlavington. Sutton. Nr. Arundel, *W.H.B.F.* In the Keep, Arundel Castle, *A.* Lavington and Graffham. II. Burpham, *A.* III. Downs, nr. Shoreham, *O.* Nr. Brighton, *M.* IV. Nr. Southover Chalk Pit, Lewes, *U.* V. Ratton Woods, rare, *R.* VI. Pett. Nr. Hastings, somewhat rare, *B.* VII. Nr. Tunbridge Wells, *E.J.*
- I. *CRITHMOIDES, L.* Golden Samphire. P. 7-10.—Waste

ground by the sea; very rare. I. Bank bet. Hermitage and Thorney, sparingly, 1886, A. Lower Hone, Bosham, J.G.H.

I. DYSENTERICA, *L.* Greater Fleabane. P. 7-9.—Damp meadows and ditches; very com.

I. PULICARIA, *L.* Lesser Fleabane. A. 7-9.—Damp places where water has been stagnant; rare. I. On a common nr. Selsey, *Hb. C.* Woodmancote, nr. Westbourne, 1874. II. Thakeham, 1904, *A. Webster.* Nr. Parham, *E.E.* III. Henfield, *W.M.* VII. About Tunbridge Wells, *E.J.*

BELLIS PERENNIS, *L.* Common Daisy. P. 4-10.—Meadows and banks; very com.

ERIGERON CANADENSIS, *L.* Canadian Fleabane. A. 8-9.—Waste ground; rare. III. Nr. Brighton Beach, *M.*

E. ACRE, *L.* Blue Fleabane. P. 7-10.—Dry fields, banks, and wall tops; not com. I. By the embankment bet. Hermitage and Thorney Island, abund., 1886. By Clay Lane at the entrance to Oakwood from Fishbourne. Wall in Rosemary Lane, Petworth, *A.* Shingles, Pagham. Duncton, nr. Graffham, *E.S.M.* Singleton, 1838, *Miss Sowton.* II. Nr. Clymping, *H.W.B.F.* III. Brighton, *S.E.* Poynings. Pyecombe, *W.M.* IV. Nr. Maresfield, freq. Chailey, on sand, *U.* Nr. Falmer, *H.H.* V. Downs nr. Jevington, *O.* On the cliff nr. Bexhill, very diminutive, *R.* VI. Camber, *B.*

ASTER TRIPOLIUM, *L.* Sea Starwort. P. 8-9.—Salt marshes and muddy seashores; com. all along the coast.

Var. DISCOIDEUS.—III. Abund. in very soft ground, in the estuary of the Adur, *W.H.B.F.*

SOLIDAGO VIRGAUREA, *L.* Golden Rod. P. 7-9.—Woods and heaths; com.

TUSSILAGO FARFARA, *L.* Common Coltsfoot. P. 3-4.—Fields and waste ground; com.

PETASITES VULGARIS, *Desf.* Butter Bur. P. 4.—River sides and swampy ground; rare. I. In the valley of the Ems, abund. in several places. By the roadside nr. Lordington. Racton. Aldermere, Westbourne, *A.* Graffham, in small quantity, *E.S.M.* II. Marshy ground nr. Amberley, *Walpoole*, 1784. V. Bexhill. Nr. Willingdon, *R.*

P. FRAGRANS, *Presl.* Sweet-scented Coltsfoot. P. 1-2.—Banks and waysides; quite naturalized in many places.

EUPATORIUM CANNABINUM, *L.* Hemp Agrimony. P. 7-9.—Banks of streams and damp places; com.

CICHORIUM INTYBUS, *L.* Wild Succory. Chicory. P. 7-10.—Roadsides and borders of fields; rather rare. I. West Stoke, *H.E.F.* Bet. Lavant and Midhurst, roadside. Westbourne. Nr. Stockbridge, Chichester. Appledram nr. Dell Quay, abund., *A.* Chichester road, nr. Tangmere, *E.H.D.* Bet. Bognor and Chichester, less com. than

formerly, *W.H.B.F.* Nr. Whiteways. Arundel, *S.E.* Nr. Dunton Chalk Pit, *A.* Chidham. Nr. Sutton, *E.S.M.* III. Hurstpierpoint, one spot only, *W.M.* Shoreham and Bramber, 1899, *A.* IV. Uckfield, *S.E.* Nr. Ringmer, *U.* V. Nr. Berwick, rare. VI. Battle, very rare, *B.* VII. About Tunbridge Wells, *E.J.*

LAPSANA COMMUNIS, *L.* Nipplewort. A. 6-11.—Cult. and waste ground; very com.

HYPOCHÆRIS GLABRA, *L.* Smooth Cat's-ear. A. 6-8.—Sandy and gravelly places; rare. I. Sandy field nr. Lower Barn, Lavington, *E.S.M.* II. Storrington and Rackham Commons, *N.B.G.* IV. Uckfield, *S.E.* VI. Winchelsea, *B.* Camber, *E.W.L.* Tunbridge Wells Common, *E.J.*

H. RADICATA, *L.* Long-rooted Cat's-ear. P. 6-10.—Fields and banks; very com.

LEONTODON HIRTUS, *L.* Hairy Hawkbit. P. 6-8.—Commons, roadsides; com.

L. HISPIDUS, *L.* Rough Hawkbit. P. 6-9.—Meadows and pastures; com.

L. AUTUMNALIS, *L.* Autumnal Hawkbit. P. 8-9.—Meadows and waste ground; com.

PICRIS HIERACIOIDES, *L.* Hawkweed Ox-tongue. P. 6-10.—Banks and roadsides; rather rare, except on the chalk. I. Racton, wood above Adsdean. Walderton. Nr. Slindon. Arundel Park, nr. Swanbourne, *A.* Heyshott. Graffham. Railway bank, Selham, *E.S.M.* II. Clapham Common, *O.* III. Southwick, *Hb.* *B.* IV. Lewes, on the Cliffe Hill, abund. Nr. Offham, *U.* V. Ratton. Nr. Cow Gap, rare, *R.* VI. Hastings, bet. Fairlight and Pett, *B.* VII. Nr. Tunbridge Wells, *E.J.*

HELMINTHIA ECHIOIDES, *Gaert.* Bristly Ox-tongue. P. 6-10.—Waste ground and roadsides; not uncom. I. Nr. Bepton, *H.E.F.* Racton. Ashling. Clay Lane, nr. Chichester. Fishbourne. Bosham. Banks bet. Prinsted and Thorney, *A.* Houghton, *W.H.B.F.* Graffham. Lavington, abund. in copses on the gault, *E.S.M.* II. Goring Woods, *Hb.* *D.* III. Piecombe. Rottingdean, very abund., *Hb.* *B.* Coast nr. Southwick, *H.W.B.F.* Old Shoreham, *O.* IV. On a heap of rubbish nr. Kingston. Lewes, in the fields nr. the Kingston Mills, *U.* V. Pole-gate. Willingdon. Folkington. Sidley Green. Bexhill. Crowhurst, very com., *R.* VI. Guestling. Nr. Hastings, com., *B.* VII. Nr. Tunbridge Wells, not com., *E.J.*

TRAGOPOGON PRATENSIS, *L.* Yellow Goat's-beard. S. John-go-to-bed-at-noon. B. 6-7.—Banks and borders of fields; not uncom.

Var. *MINOR*.—I. Harting, *W.* Nr. Chichester. Elbridge Hill. Westbourne. Racton. W. Ashling. II. East Preston, *Hb.* *D.* Cissbury, *W.H.B.F.* III. Nr. Brighton, *M.* Nr. Bramber. Worthing, *S.B.* IV. On

the edge of the Downs above the County Gaol. By the footpath, Brighton road, U. V. Cow Gap. Folkington. Ratton Decoy. Upperton. Beachy Head, com., R. VI. Nr. Hastings, rare, B. VII. Nr. Tunbridge Wells, freq., E.J.

Var. *GRANDIFLORUS*.—III. Nr. Brighton, *Hb.* B. IV. Framfield, *Lingwood*.

T. PORRIFOLIUS, L. Purple Goat's-beard. Salsify. B. 6-7.—Meadows; rare, perhaps introduced. VI. Cliffs on the south side of Rye, *H. Taylor*, spec.; *H. C. Watson*, in litt. to *W.B.H.* VII. Brambletye, nr. East Grinstead, S.E.

TARAXACUM OFFICINALE, Wigg. Common Dandelion. P. 3-10.—Fields, gardens, &c.; very com.

Var. *ERYTHROSPERMUM*.—Not. uncom. on the Downs. I. Ambersham Common. Coates Common, *E.S.M.*

Var. *PALUSTRE*.—Boggy ground; rare. I. Nr. Burton Ponds, *E.S.M.* III. Nr. Henfield, *Bor.* V. Bexhill, *W.M.R.*

LACTUCA VIROSA, L. Strong-scented Lettuce. B. 7-8.—Walls and waste ground; very rare. I. E. Walls, Chichester, 1875, A. Arundel, 1866, *W.B.H.* II. Amberley, 1899, *C.E.S.* IV. Lewes, *Hb.* C. V. Field nr. Mill Wood, Bexhill, R.

L. SCARIOLA, L.! Prickly Lettuce. B. 7-8.—Waste places; very rare. Syme mentions this plant as occurring in Sussex, and Hemsley gives district II. with a ? I have seen no exs.

L. SILIGNA, L. Least Lettuce. B. 7-8.—Shingles; very rare. V. Nr. Langley Fort, 1805, *O.B.G.* Langley Beach, *Hb.* *Bor.* Shingles nr. first sluice bridge, Eastbourne, abund., R.

L. MURALIS, Fresen. Ivy-leaved Lettuce. P. 7.—Woods, dry banks, and old walls; not uncom. westward. I. Harting, W. Nr. Midhurst, *H.E.F.* Stansted Woods. Racton. Ashling. Charlton Forest. Goodwood, in the Birdless Wood, and elsewhere, abund. Dunton, Petworth, lane nr. Brinksole Heath, A. Walls of the Keep, Arundel Castle, *S.B.* II. Burpham. III. Nr. Brighton, *Hb.* B. IV. Lane leading from the Brighton road to Winterbourne, U. V. Downs nr. Jevington. Ratton Plantation, rare, R. VI. Nr. Hastings, rare, B. VII. About Tunbridge Wells, com., E.J.

SONCHUS OLERACEUS, L. Common Sow Thistle. A. 6-10.—Cult. and waste ground; very com.

S. ASPER, Hoffm. Rough Sow Thistle. P. 6-9.—Cult. ground and hedges; very com.

S. ARVENSIS, L. Corn Sow Thistle. P. 6-9.—Cornfields; com.

- CREPIS TARAXACIFOLIA**, *Thuill.* Small Rough Hawk's-beard. B. 6-7.—I. Bet. Pagham and Selsey, abund. on the shingles, *E.S.M.* III. Cult. land, Old Shoreham Road, Hove, 1897, *T.H.* IV. Nr. Isfield, 1900, *T.H.* Seaford, *E.E.* V. Willingdon, 1890, *R. D. Postans.*
- C. FŒTIDA**, *L.* Stinking Hawk's-beard. B. 6-7.—Chalky fields and shingles; very rare. III. Shoreham, *Bor.* IV. Fallow land, in two places, bet. Seaford and Berwick, 1900, *T.H.* Newhaven, *E.E.* V. Nr. Red House, Pevensey, *R.* VI. Nr. Rye Lighthouse, *Hb. Bor.*
- C. SETOSA**, *Hall.* Bristly Hawk's-beard. A. 6-9.—Cult. ground, introduced; rare. III. Hurstpierpoint, rapidly spreading, *W.M.* IV. Waste ground nr. Lewes, *W. E. Nicholson.*
- C. VIRENS**, *L.* Smooth Hawk's-beard. A. 6-9.—Fields and banks; very com.
- C. BIENNIS**, *L.* Large Rough Hawk's-beard. B. 7-8.—Dry chalky banks; rare. I. On the embankment bet. Prinsted and Thorney, 1886, abund. Bosham, 1898, *A.* III. Nr. Brighton, *Bor. MSS.* Poynings, 1886, *W.M.* V. Nr. Horeham Pond Station, *F.B.D.* VI. Guestling. Fairlight, rare, *B.* VII. Field west of Furnace Wood, 1896, *C.E.S.*
- HIERACIUM PILOSELLA**, *L.* Mouse-ear Hawkweed. P. 5-8.—Heaths and dry banks; very com.
- H. AURANTIACUM**, *L.* Orange Hawkweed. P. 6-7.—Woods; very rare. III. Clayton Chalk Pit, 1873, *H.*
- H. MURORUM**, *L. pt.* Wall Hawkweed. P. 7-9.—Walls and banks; not com. I. Midhurst, *H.E.F.* Ashling, *A.* Railway cutting, a little west of Petworth Station. III. Nr. Brighton, *M.* Clayton, 1893, *H.H.* VI. Dallington Forest, rare, *B.*
- H. VULGATUM**, *Fries.* Wood Hawkweed. P. 7-9.—Bushy places and open woods. I. Harting, *W.* Oakwood, Funtington. Westbourne, Foxbury. Wood End, Chichester, *Hb. C.* II. Clapham Common, *O.* III. Chalk mounds, Pangdean, 1899, *T.H.* IV. Bet. Maresfield and Uckfield, *U.* Roadside nr. Horsted Keynes, 1899, *T.H.*
- H. MACULATUM**, *Sm.* Spotted Hawkweed. P. 6-9.—Old walls; rare. I. E. Walls, Chichester, where it has been known during the last half century.
- H. TRIDENTATUM**, *Fries.* Three-toothed Hawkweed. P. 7-9.—Woods and hedge banks; not com. I. Stansted Woods. Wood-end, Chichester, *A.* Selham. Graffham. Lavington. Burton, freq. on the sand, *E.S.M.* III. Race Hill, Brighton, 1897, *T.H.* IV. Copse nr. Chailey, 1895, *C.E.S.* V. Nr. Cross-in-Hand. Waldron, *R.* VI. Nr. Guestling, *B.* VII. Nr. Wych Cross, 1904, *Rev. C. H. Waddell.*
- H. CANTIANUM**, *F. J. Hanb.* Kentish Hawkweed. P.

6-7. Not com.—I. Bet. Graffham and Heyshott. Selham. Nr. Lower Barn, Lavington, new to Sussex, 1901, *E.S.M.* VII. Nr. Tunbridge Wells, 1904, *T.H.*

H. UMBELLATUM, *L.* Narrow-leaved Hawkweed. P. 7-9.—Heathy places and hedge banks; not uncom. I. Nr. Midhurst, *H.E.F.* Chilgrove, *Hb.* T. Oakwood, *A.* Graffham, Ambersham, and Duncton Commons, *E.S.M.* Woods nr. Adsdean, *A.* III. Nr. Brighton, *M.* Hassocks, 1898, *T.H.* IV. Bank by the roadside nr. Horsted, *U.* V. Waldron, rare, *R.* VI. Nr. Hastings, not uncom., *B.* VII. Nr. Tunbridge Wells, *E.J.*

H. BOREALE, *Fries.* Broad-leaved Hawkweed. P. 8-9.—Woods and banks; rather com. I. Midhurst, *H.E.F.* Racton Wood, abund. Oakwood. Fishbourne. Petworth, *A.* Graffham. Selham. Lavington. Burton, *E.S.M.* Linchmere to Fernhurst, *W.M.R.* II. Nr. Burpham. III. Nr. Brighton, *M.* IV. Cuckfield, 1902, *T.H.* V. Abbot's Wood. Wood nr. Waldron. Nr. Heathfield. Crowhurst, nr. Battle, *R.* VI. Hastings district, not uncom., *B.* VII. Nr. Tunbridge Wells, *E.J.*

CAMPANULACEÆ.

JASIONE MONTANA, *L.* Sheep's-bit. B. 6-7.—Sandy fields and heathy ground; not com., but occurs in all the districts. I. Harting, *W.* Heyshott, *F.V.P.* Heaths nr. Midhurst, abund. Petworth, nr. Stroud. Graffham. Duncton. Coates. Lodsworth, *E.S.M.* Sutton, *A.* II. Bet. Pulborough and Chiltington. III. Ovingdean, *Hb.* *B.* Henfield. Hassocks Gate, *W.M.* Downs nr. Brighton, *M.* IV. Sandy field nr. E. Hoathly, *U.* V. Waldron, *R.* VI. Hastings district, rare, *B.* VII. Dod's bank, nr. Nutley, *M.R.D.* About Tunbridge Wells, *E.J.*

PHYTEUMA ORBICULARE, *L.* Round-headed Rampion. S. Pride of Sussex. P. 7-8.—Downs and chalky pastures, sometimes in woods; not uncom. in several districts. I. Harting, *W.* Above Bepton, *H.E.F.* Racton, above Adsdean. Ashling. Goodwood. Hahnaker Down. Slindon. Arundel Park. Barlavington Hanger, *A.* Houghton, *Hb.* *C.* Sutton, S. side of Farm Hill, *H.S.* Duncton Down. Graffham, *E.S.M.* Watergate Park, *Mrs. Parson.* II. Burpham, *A.* High Down Hill, Ferring, *Hb.* *D.* The Long Furlong nr. Findon, *W.H.B.F.* III. Bet. Shoreham and Bramber, abund., *A.* Downs nr. Brighton, *M.* IV. Downs nr. Lewes, very com., *U.* V. Nr. Ratton. East-dean. Beachy Head, loc. abund., *R.* Eastbourne Downs, in hundreds of thousands, *W.W.* VI. Hastings district, very rare, *B.*

Note.—Ray in Cat., Aug. (1670), says: “On the Downs of Sussex in many places.” This is perhaps the most lovely of Sussex wild flowers. It does not seem to occur N. of the Thames, since, according to Watson’s

Top. Bot., it is recorded elsewhere only from Dorset (a single loc.), Wilts, Surrey, Kent, and Hants; whilst in the Isle of Wight it has been sought for in vain.—*Bromfield, Flor. Vect.*

P. SPICATUM, L. Spiked Rampion. P. 6-7.—Woods; very rare. V. Mentioned by Parkinson, 1640, and by Gerarde, 1683. Found on Hadlow Down, nr. Mayfield, 1825, by Rev. R. Price. Knight's Farm, Mayfield, nr. Cross-in-Hand, 1826, *Hb. Bor.* Cross-in-Hand. Waldron, 1835, *N.B.G.* Waldron. Abbot's Wood, sp., *R.*

Note.—Originally perhaps an escape from Warbleton or Mitchelham Priories, but now established, for more than sixty years, over some miles of country. Mr. F. C. S. Roper observes that this plant is not known to occur in any other district in Great Britain.

CAMPANULA GLOMERATA, L. Clustered Bell-flower. P. 6-9.—Downs and chalky pastures; not uncom. westward. Not reported from districts VI., VII. I. E. Marden, *Hb.T.* Harting, W. Nr. Old Lordington House. Racton, Wood above Adsdean. W. side of Kingley Vale. Barlavington Hanger. Arundel Park, A. Waltham Down. Graffham, *E.S.M.* William Wood, Stoughton, A. II. Washington Borstal, *Hb. D.* III. Downs nr. Brighton. Clayton, M. IV. Seaford heights, not uncom., *U.* V. Cow Gap. Beachy Head, Eastdean, loc. abund., *R.*

CAMPANULA TRACHELIUM, L. Nettle-leaved Bell-flower. P. 7-9.—Woods and hedges chiefly on the chalk; not uncom. westward. I. Harting, W. E. Marden, *Hb. T.* Woods nr. Midhurst, not uncom., *H.E.F.* Westbourne. Racton freq. Ashling. Lavant. Singleton. Dunton. Sutton. Bury. II. Burpham, A. South Stoke. Bet. Amberley and Steyning, *W.H.B.F.* III. Nr. Brighton, M. IV. About Lewes, very com., *U.* VI. Nr. Ore, rare, *J.H.A.J.* VII. Nr. Tunbridge Wells, *E.J.*

***C. RAPUNCULOIDES, L.!** Creeping Bell-flower. P. 7-8.—Woods and fields; rare. I. Nr. Midhurst (weed in gardens), *H.E.F.*

C. ROTUNDIFOLIA, L. Hare-bell. P. 6-9.—Heaths and pastures; very com. Westwards; but rare in districts V. and VI. Mr. W. Whitwell says: “A patch of about a dozen plants on the Downs above Willingdon, 1897, but nowhere else in V. He adds: “Since found on the road to Pepperling Powder Mills from Catsfield.”

C. RAPUNCULUS, L. Rampion Bell-flower. P. 6-8.—Hedge banks; very rare. II. Pulborough, nr. the Church, 1877, A.

C. PATULA, L. Spreading Bell-flower. P. 6-8.—Copse and hedges; very rare. I. Woolbeding. Ambersham, *Bot. Sus.* Copse nr. Iping, *H.E.F.* Hedge nr. Lodsworth, A. Hedge nr. the Vicarage, Rogate, 1891, abund., *G. Landon.*

SPECULARIA HYBRIDA, DC. Corn Bell-flower. Lesser Venus' Looking-glass. A. 6-9.—Cult. fields; not com. westward. I. E. Marden, *Hb. T.* Norwood, Lavington, *E.S.M.* Nr. London Road, Arundel, *Rev. A. A. Evans.* II. Nr. Amberley Mount, 1890, *C.E.S.* III. Saddlescombe, *M.R.* Dyke Road, Brighton, *S.E.* Fields at Heath Hill Farm. Nr. Brighton Rifle Butts, *Hb. B.* IV. Newhaven, *N.B.G.* Cornfields on the Downs nr. Lewes, abund., *U.* V. Eastdean. Nr. Meads Church, rather rare, *R.* VI. Ore, *B.* VII. About Tunbridge Wells, *E.J.*

WAHLENBERGIA HEDERACEA, Reich. Ivy-leaved Bell-flower. P. 7-8.—Bogs; rare. I. Nr. Red Hill Hollow, Coates, *H.S.* II. St. Leonard's Forest, *G.B.H.* III. Nr. Haywards Heath, *Hb. B.* IV. Whalebridge Common, nr. Lindfield, *Bot. Sus.* Chailey Common, *U.* V. Bog on Waldron Down, *Bromfield*, (not since found), *R.* VI. Fairlight, nr. Hastings, *Bot. Sus.* Dallington Forest, very rare, *B.* VII. Plaw and Gargle Woods, E. Grinstead. Wood above the pond, Horsted Keynes, *Coleman.* Ashdown Forest, *U.* Tilgate Forest, abund., *J.L.* Broadwater Forest, 1870, *W.W.*

ERICACEÆ.

VACCINIUM OXYCOCCOS, L. Cranberry. Sh. 6-7.—Bogs; rare. I. Harting Combe, *Bot. Sus.* Sutton marshes, abund., *H.S.* II. Amberley Wild Brook, *S.E.* Pulborough Common, *Hb. T.* VI. Guestling, now extinct through drainage, *B.* West Chiltington, 1902, *T.H.* VII. Bogs in Hindlip Warren, Ashdown Forest, *Coleman.*

Note.—Cranberries formerly abounded at Amberley and sold from a shilling to half-a-crown a quart, *Rev. G. A. Clarkson.*

V. MYRTILLUS, L. Bilberry. Black Whortleberry. S. Hurts. Sh. 4-5.—Heaths and dry woods; not com. but abounds in some districts; plentiful in the forests of the Weald. I. West Heath, Harting, W. Heaths towards Holden Hill, *H.E.F.* Blackdown, abund. Midhurst Common. Rogate. Burton, nr. the Mill. Sutton. Fittleworth, A. Ambersham Common. Duncton Common, *E.S.M.* II. St. Leonards Forest. IV. Ashdown Forest. Frant Forest, A. *W. Clarke.* Woods nr. Handcross, *Mrs. Davy.* V. Wood nr. Little Markly. Shopwood, bet. Cross-in-Hand and Waldron. White House Wood, Waldron, *R.* VI. Nr. Heathfield. Hastings district rare, *B.* VII. West Hoathly, abund., *Hanson.* Ashdown Forest, *E.J.* Obs.—The little bluish-black berries are by some considered “flat” if eaten alone in pies or puddings. They should be corrected by the acidity of black currants, and are then excellent; although, as Gerarde truly remarks, “they do colour the mouth and lips of those that eate them of a black colour.”

ERICA TETRALIX, *L.* Cross-leaved Heath. Shr. 6-8.—Wet heaths and sandy woods; rather com. I. Harting, Down parks, nr. the Blackrye Pond, W. Midhurst Common. Lavington Common. Duncton Common, abund. Stansted Woods. Oakwood (white). Coates Common. II. Chiltington. III. Nr. Henfield, *Bor.* IV. Chailey Common, abund., and in the forests of the Weald, *U.* V. Bexhill Common. Mill Wood, Bexhill. Heathfield Park. Nr. Waldron, rather rare, *R.* VI. Nr. Hastings, not uncom., *B.* VII. Ashdown Forest, *E.J.* Tilgate Forest, abund. (white), *Hanson.*

E. CINEREA, *L.* Fine-leaved heath. Shr. 6-9.—Heaths; very com., freq. with white flowers.

CALLUNA VULGARIS, *Salis.* Common Ling. Sh. 6-8.—Downs, woods, and heaths; very com., occas. with white flowers.

PYROLA MEDIA, *Swartz.* Intermediate Winter-green. P. 6-7.—Forests; very rare. II. St. Leonards Forest in considerable plenty, discovered there by *Borrer.* I have exs. thence from *Mr. J. H. A. Jenner*, 1877.

P. MINOR, *L.* Lesser Winter-Green. P. 6-7.—Woods; very rare. I. Wood nr. Colworth, Westdean, in the direction of Cocking, in isolated patches, sparingly, 1885, *A.* I. Fir-wood nr. Graffham, *E.S.M.* V. Creep Wood, Ashburnham, 1875, *R.*

Note.—*P. rotundifolia*, marked ? is given in *N.B.G.* as found in Charlton Forest. This may be a mistake for *P. minor*, which is not unlikely to occur there, since Colworth is so near and in the same line of woods.

HYPOPITYS MONOTROPA, *Cranz.* Yellow Bird's Nest. P. parasite, 7.—Beechwoods on the Downs; not com. I. E. Marden, *Hb.* T. Harting, St. Richard's Hill abund., also occas. in Up Park, W. Downs nr. Bepton, *H.E.F.* Charlton Forest, *J.G.H.* Westdean, nr. Chichester, com., *F.V.P.* Ashling. Slindon. Goodwood, com. Barlavington Hanger, *A.* Behind Lavington Church. Graffham. Heyshott, *E.S.M.* Nr. Forest Side, *Mrs. Parson.* Arundel Park, nr. Whiteway Lodge, *H.C.M.* II. St. Leonards Forest, *G.B.H.* III. Danny, *S.E.* Saddlescombe, *M.R.* Nr. Brighton, *F.V.P.* IV. Lewes, 1843, herb., *R. Pryor.* V. Ratton Woods, rare, *R.* VI. Robertsbridge. Battle, *B.*

JASMINACEÆ.

FRAXINUS EXCELSIOR, *L.* Common Ash. Tr. 4-5.—Woods and hedgerows; com.

LIGUSTRUM VULGARE, *L.* Privet. Shr. 6-7.—Woods, hedges, and bushy places; com.

APOCYNACEÆ.

VINCA MAJOR, *L.* Greater Periwinkle. P. 7-8.—Hedges and road sides; naturalized occas. as escapes, but scarcely wild.

V. MINOR, *L.* Lesser Periwinkle. P. 3-10.—Woods and hedgebanks; not uncom., doubtless often wild westward. I. Stansted Woods. Nr. Aldsworth abund. Hedges about Racton freq. Lordington Wood abund. East Marden, *Hb. T.* Valdoe Copse, *F.V.P.* Bosham, *J.G.H.* Coates, abund. II. Horsham. Rusper, *G.B.H.* III. Nr. Brighton, *M.* IV. Woods about Haywards Heath, *Rev. T. E. Crallan.* Sheffield Park, *M.R.D.* Nr. Ringmer Green, scarcely wild, *U.* V. Park Wood, nr. Carter's Corner, rare, *R.* VI. Nr. Hastings, *B.* VII. Not uncom. in the Weald, *E.J.* Eridge Green, *A. W. Clarke.*

GENTIANACEÆ.

ERYTHRÆA CENTAURIUM, *Pers.* Common Centaury. A. 6-8.—Downs and woods; com. in all the districts.

Var. *CAPITATA*, *Koch.*—A stunted form with large flowers. “On Beachy Head, on the Cliffs bet. Newhaven and Rottingdean, and on the Downs a little S. of the Devil’s Dyke,” *Bot. Sus.*

Note.—Townsend says that this var. is produced by exposure, as well as by the plant being often bitten down by sheep and rabbits.

E. PULCELLA, *Fries.* Slender Centaury. A. 7-8.—Downs, woods, and roadsides, also on banks along the coast; not uncom. Not reported from VI. I. Bosham, *Hb. C.* By the shore nr. Prinsted. Fishbourne, abund., *A.* Pagham, *E.S.M.* II. Littlehampton, *A.* Ferring, *Hb. D.* III. Cliffs on the road to Rottingdean, *M.* IV. Nr. Lewes, *U.* V. Mill Wood, Bexhill. Wilmington Wood. Eastbourne, on the coast, com., *R.* VII. About Tunbridge Wells, not com., *E.J.*

E. CAPITATA, *Wild.* Round-headed Centaury. A. or B. 7-8.—Chalk downs; very rare.

Var. *SPHÆROCEPHALA*, *Towns.*—IV. Downs at Newhaven, *Journ. Bot.*, 1879. Downs above Alciston, 1880, *R.* Rottingdean, 1894, *T.H.* V. Downs above Beachy Head, 1880, *R.* Downs at Eastbourne, *Townsend.*

Note.—This plant is not known to occur anywhere else in the world but in the Isle of Wight and in Sussex, *Townsend, Flora of Hants.*

CICENDIA FILIFORMIS, *Delarb.* Slender Cicendia. A. 7-8.—Wet sandy ground; very rare. II. St. Leonard’s Forest, *G.B.H.* IV. Slaugham Park, *Bor. MSS.* VII. Bog in Tilgate Forest, nr. Pease Pottage Gate, in profusion, 1843, *Hanson.*

CHLORA PERFOLIATA, *L.* Perfoliate Yellow-wort. A. 6-9.—Chalky banks and pastures; not com. I. Harting, W. Stoughton, *F.V.P.* Oakwood, Funtington, at an entrance from Clay Lane. Fishbourne, by the shore. Barlavington Hanger, *A.* Graffham, scarce, *E.S.M.* Arundel, *S.E.* II. Ferring. Goring, *O.* III. Chalk pit nr. Shoreham Cement Works. Danny, *S.E.* Saddlescombe, *M.R.* Downs nr. Brighton, *Hb. B.* IV. Nr. Offham, Lewes, *U.* Fletching, *M.R.D.* V. Holywell Quarry, abund. Paradise Wood. Folkington, *R.* Bexhill, *O.* VI. Nr. Battle, rare, *B.* VII. Meadow nr. Cross-in-Hand, *E.J.*

GENTIANA PNEUMONANTHE, *L.* Calathian Violet. A. 8-9.—Boggy heaths and commons; rare. I. Duncton Common. II. St. Leonards Forest, *G.B.H.* IV. Chailey Common, *Miss F. Jewell.* In the Forest nr. Woods Nursery, Maresfield, plentifully, *U.* V. Heathy ground about half-a-mile S. of Heathfield Chapel. Field N. of St. Dunstan's Wood. Heathfield, *R.* VI. Dallington Forest, *B.* Waterdown Forest, nr. Frant, *E.J.* VII. Ashdown Forest, *Miss A. Wallis.*

G. AMARELLA, *L.* Autumnal Gentian. A. 8-9.—Downs and chalky pastures; rather com. westward. Not reported from districts VI., VII. I. West Harting Down. Main Down and Fore Down, very abund., *W.* Little Green, *Hb. T.* W. Stoke, *F.T.* By Adsdean Chalk Pit. Arundel Park. Halnaker Down. Upwaltham. Sutton Downs, abund., Goodwood, and Bury Hill, *A.* Long Down, *E.H.D.* Chalk pit in High Down Hill, Goring, *O.* St. Leonards Forest, *G.B.H.* III. Steyning. Brighton Downs, *Hb. B.* IV. Lewes Downs, plentiful, *U.* V. Nr. Ratton. Beachy Head. Above the Links, Eastbourne, abund., *R.*

G. CAMPESTRIS, *L.* Field Gentian. A. 8-9.—Downs, much less com. than the former and sometimes mistaken for it. Not reported from districts VI., VII. III. Dyke, Brighton, *S.E.* Edburton, *W.M.* IV. Downs nr. Lewes Racecourse, *U.* V. Cow Gap. Bet. Eastdean and Beachy Head, rather rare, *R.* Hills south of Berwick, *E.E.*

MENYANTHES TRIFOLIATA, *L.* Common Buckbean. Bog-bean. P. 5-8.—Boggy places, marshes; rather com. and abund. where it occurs. I. Harting, W. Hunston, *A.* Pond nr. Shripney, *E.H.D.* Sutton, *H.S.* II. St. Leonards Forest, *G.B.H.* Chiltington Common, abund. III. Nr. Saddlescombe, *M.R.* IV. In a ditch beyond the Paper Mill opposite the Deanery, Malling, *U.* The Great Pond, Horsted Keynes, in great quantities, *W.W.* V. Nr. Berwick Station, *R.* VI. Bogs on Waterdown Forest, not com., *E.J.* VII. Nr. Colman's Hatch, Ashdown Forest, *B. B. Gough.*

LIMNANTHEMUM PELTATUM, *Link.* Fringed Buckbean. P. 7-8.—Sluggish rivers and ponds; rare. I. Pond on Duncton Common, *Bot. Sus.* Lower Pond, Petworth

Park, probably introduced. IV. Lewes Brooks. Malling Brooks. In the Cut, nr. Landport. In the Old River beyond Hamsey Place, freq., *U.* Nr. Barcombe, *S.E.* Obs.—Extinct on Duncton Common; the pond, evidently artificial, burst its dam a good many years ago, *E.S.M.*

CONVOLVULACEÆ.

CONVOLVULUS ARVENTIS, L. Small Bindweed. P. 6-8.
Cult. and waste ground; very com.

C. SEPIUM, L. Great Bindweed. S. Lily. Old Man's Nightcap. P. 6-8.—Hedges and gardens; very com.

C. SOLDANELLA, L. Sea Bindweed. P. 6-8.—Sandy and gravelly sea shores; rare. I. Clympling Sands, *E.S.M.* II. Littlehampton, *F.V.P.* III. Shoreham, *O.* Kingston Beach, abund., *M.* V. Mouth of the Cuckmere, *R.* VI. Camber Sands abund., *B.*

CUSCUTA EPILINUM, Weihe. Flax Dodder. A. 7-8.—Fields, very rare. III. Hurstpierpoint, *Hb. Bor.*

C. EUROPÆ, L. Greater Dodder. A. 7-9.—Parasitic on herbaceous and shrubby plants; rare. I. Singleton, *Hb. T.* Furze on Thorney Island, abundant, *Bot. Sus.* III. Sompting, *Hb. C.* Downs nr. Steyning, *F.H.H.* IV. Lewes, on Nettles in the hedge to the W. of Hounds-dean, also in hedge-row in Oxstede bottom, *U.* V. Nr. the Cemetery, Eastbourne, *R.* VI. Guestling, very rare, *B.* VII. Withyham, *Forster.*

C. EPITHYBUM, L. Lesser Dodder. A. 8-9.—Parasitic on furze, heather, thyme, wood sage, &c.; com.

C. TRIFOLII, Bab. Clover Dodder. A. 8-9.—Parasitic on clover, broom, &c.; not uncom. I. Thorney. Bosham, abund., *A.* Pagham, on Broom and *Lotus*. Downs above Sutton, on *Lotus* and other plants, *E.S.M.* Racton, *A.* II. Ferring, *Hb. D.* III. Nr. Brighton, *M.* IV. Fields on the Downs nr. Lewes, *U.* V. Nr. Mill Gap, Eastbourne, abund., *R.* VI. Nr. Hastings, rare, *B.* Guestling, 1881, *B.*

SOLANACEÆ.

SOLANUM DULCAMARA, L. Woody Nightshade. Bittersweet. P. 6-8.—Woods and hedges; com.

Var. **MARINUM**.—On the Coast. I. Bognor, *R.W.B.* III. Shingle beach, Shoreham, *O.* Bet. Aldrington and Brighton, *M.* VI. Shingle, St. Leonards, *O.* Pett, *B.*

SOLANUM NIGRUM, L. Black Nightshade. A. 6-10.—Cult. and waste ground; rather com. I. Nr. Midhurst, *H.E.F.* Tillington, Petworth. Hermitage, nr. the sea. Westbourne. Fishbourne. Bosham. Appledram. Nr. Chichester, *A.* Felpham, *W.H.B.F.* II. Burpham, *A.* East Preston. Ferring, *Hb. D.* III. Shoreham, *M.* IV. Maresfield, *U.* V. Shingles nr. Langley. Pevensey Castle,

R. VI. Nr. Hastings, not uncom., *B.* VII. About Tunbridge Wells, freq., *E.J.*

**LYCIUM BARBARUM*, *L.* Tea plant. Sh. 6-10.—Waste places, naturalized occ. along the coast. I. Bet. Bognor and Aldwick, very abund.

DATURA STRAMONIUM, *L.* Thorn-Apple. A. 6-7.—Waste ground; rare. I. Westbourne. Northchapel. Chichester. Poling, *H.S. Shean*. II. Nr. Pulborough, A. III. Broadwater, *F.V.P.* VI. Nr. Berwick Station, *R.*

ATROPA BELLADONNA, *L.* Deadly Nightshade. Dwale. P. 6-8.—Woods and waste places; not com. and apparently found only in the W. extremity of the county. I. Up Park, very abund. Stansted Woods, by Rosamond's Plain. Aldsworth. Racton Park. Kingley Vale, sparingly, 1880. Barlavington Hanger. Arundel Park, by Swanbourne, A. Chalk Pit nr. Halnaker Windmill, 1905, *J.G. Hardham*. The Rewel Wood, nr. Arundel, *W.H.B.F.* Fairmile Bottom, *R.W.B.* Dale Park, *E.S.* Westdean Park, *F.V.P.* Coldwaltham Park. Coates, *Miss M. Cooper*. Farm Wood, Sutton, *H.S.*

HYOSCYAMUS NIGER, *L.* Common Henbane. B. 5-7.—Waste places and newly-turned ground; not uncom. sporadic. I. W. Ashling, A. Lavant Marsh, "came up in hundreds when the ground was disturbed to make a bridle road," *F.V.P.* Felpham, *R.W.B.* Arundel Park, *E.H.D.* W. side of Bignor Hill, 1882, abund., *A.* II. Pulborough, *A.* Greatham, *Hb.* B. Rustington, *S.E.* West Grinstead, *G.B.H.* III. Shoreham, *Hb.* B. Nr. Brighton freq., *M.* Broadwater, *F.V.P.* IV. Hounds-dean. Nr. Lewes, 1863. Nr. Glynde Chalk Pits, *U.* Newick, *Rev. T.E. Crallan*. V. Nr. Meads, Eastbourne, rare, *R.* VI. Fairlight, *B.* On the shingle on the W. side of Rye Harbour, abund., *W.H.B.F.*

SCROPHULARIACEÆ.

VERBASCUM THAPSUS, *L.* Great Mullein. Shepherd's Staff. S. Flannel-plant. B. 6-8.—Waste ground and roadsides; not uncom. I. Harting, W. Ambersham, *H.E.F.* Lordington, abund. Racton, freq. Aldsworth. Funtington, *A.* Aldingbourne, *H.E.D.* Coldwaltham, *S.E.* Heath end, Petworth. II. Burpham. III. Hurstpierpoint, *S.E.* Danny, Woodmancote, *Hb.* B. Saddlescombe, *M.R.* IV. Lewes, nr. Offham. Ranscomb. Glynde, *U.* V. Eastbourne, abund. bet. the Redoubt and Langley. Willingdon. Jevington, *R.* VI. Westfield. Nr. Hastings, not uncom., *B.* VI. Nr. Tunbridge Wells, com., *E.J.*

V. *PULVERULENTUM*, *Vill.!* Hoary Mullein. B. 7-8.—Waste ground; rare. I. Rotherbridge, nr. Petworth, 1902, *Miss A.S. Cummings*, verified by *Sir J. Hooker*. II. Houghton, *H.*

V. *LYCHNITIS*, *L.* White Mullein. B. 6-8.—Roadsides and

waste ground; rare. I. Halnaker, Spider Gallop, *E.H.D.* Dale Park, 1886, *E.S.*, who says "A year or two ago, after grubbing a bank of very old laurels, an abundance of this plant appeared." Nr. Offham, 1873, *A.* Arundel Park, *W.H.B.F.* Lamb Hanger, Sutton, sparingly, *H.S.* Madehurst. Slindon, *E.S.M.*

HYBRIDS *V. LYCHNITIS X THAPSUS*.—I. Slindon, *E.S.M.* *V. NIGRO X LYCHNITIS*.—By the roadside nr. Watergate, 1902, *B. Fielder*, spec.

V. NIGRUM, *L.* Black Mullein. P. 6-8.—Banks, roadsides; rather com. on the chalk, but rare eastward. I. Nr. Midhurst, *H.E.F.* Coates. Lavington. Graffham, *E.S.M.* Harting. Westbourne. Walderton. Racton, roadside nr. the Church, freq. Lordington. Funtington. Lavant. The Hurst, Petworth. Coldwaltham. Lane bet. Singleton and Goodwood. Arundel, *A.* Watersfield, *S.E.* Sutton, not uncom., *H.S.* II. Burpham, *A.* East Preston. Ferring, *Hb. D.* III. Chalk pit nr. Sompting, *O.*

V BLATTARIA, *L?* Moth Mullein. B. 7-9.—Waste places; casual. I. Nr. Adsdean, 1889. Racton, 1891, *A.* Roadside bet. Lavant and Chichester, 1901, *Mr. J. T. Cannon*. Cocking Churchyard, 1902, *Mr. B. Reynolds*. III. Nr. Cowfold, formerly, *Bot. Sus.* IV. Roadside, West Dean, *W.W.*

SCROPHULARIA AQUATICA, *L.* Water Figwort. P. 6-9.—Sides of ponds and ditches, very com.

S. EHRHARTII, *Stev.* Ehrhart's Water Figwort. P. 7-9.—Wet places; very rare. I. Hermitage, damp place nr. the Burnt Mill, 1904 and 1905, *A.* V. Wilmington, nr. Polegate Station, found by *Mr. W. W. Reeves* in 1840 and again in 1885.

S. NODOSA, *L.* Knotty-rooted Figwort. P. 6-7.—Damp woods and hedgebanks; com.

DIGITALIS PURPUREA, *L.* Foxglove. P. 6-8.—Woods, bushy places, banks; com.

ANTIRRHINUM MAJUS, *L.* Great Snapdragon. *S.* Lion's-mouth. P. 7-9.—Old walls and ruins, naturalized; not uncom. I. S. Walls, Chichester, abund., *A.* Halnaker Ruins. Arundel, *E.H.D.* Petworth, by Rosemary Lane. III. Tower of New Shoreham Church, *S.B.* IV. Lewes, *Hb. Bor.* V. Eastdean, rare, *R.* VI. Hastings, *B.* Battle, *J.H.A.J.* VII. Mayfield, *E.J.*

A. ORONTIUM, *L.* Corn Snapdragon. A. 7-9.—Sandy and gravelly fields; not com. I. Nr. Midhurst, *F.V.P.* Norwood. Lavington, *E.S.M.* Westbourne, *Mrs. Newman*. Rumboldswhyke, *Dr. Paxton*. II. Nr. Heath Mill, Pulborough, 1902, *Miss M. H. Arnold*. Pulborough, 1877. III. Clayton, *Hb. B.* Nr. Brighton, *Hb. B.* IV. Nr. Lewes, *U.* VII. About Tunbridge Wells, rare, *E.J.*

LINARIA CYMBALARIA, *Mill.* Ivy-leaved Toad-flax. *S.*

- Roving Sailor. Creeping Jenny. P. 4-10.—Old walls, naturalized; com.
- L. ELATINE, Mill. Sharp-leaved Fluellin. A. 7-10.—Corn-fields; com.
- L. SPURIA, Mill. Round-leaved Fluellin. A. 7-10.—Corn-fields; com.
- L. REPENS, Mill. Striped Toad-flax. P. 7-9.—Banks; rare. I. Woolbeding. Wall of Sutton Churchyard, 1860, A. Perhaps now extinct there. According to N.B.G., probably planted in both these places. Pagham, Rev. E. O. Edgell. Bet. Bognor and Selsey, 1903, Mr. B. Reynolds. Itchenor, 1904, Rev. F. Haines. II. West Grinstead, G.B.H.
- L. VULGARIS, Mill. Yellow Toad-flax. P. 7-9.—Roadsides and fields; com.
- L. MINOR, Desf. Least Toad-flax. A. 5-9.—Chalky and sandy fields; not uncom. I. Harting, W. Westbourne. Nr. Petworth. II. Pulborough. III. Kingston, Hb. B. Chalky slopes nr. Clayton, M. IV. By Offham Chalk Pit, U. V. Paradise Wood. Beachy Head. W. of Green-street, loc. abund., R. VI. Guestling, B. Bet. Amberley Mount and Camp Hill, C.E.S. VII. Nr. Tunbridge Wells, not uncom.
- *MIMULUS LUTEUS, L.! Yellow Monkey Flower. P. 7-9.—River banks; rare, naturalized. I. By the W. Rother, nr. Stedham, H.E.F. By the Ems nr. Westbourne Church, 1898-1901, spreading rapidly, A. V. Bexhill, 1877, R. L. Hawkins. VII. Scarlett's Mill, nr. Cowden, in stream forming boundary bet. Sussex and Kent, H. F. Parsons.
- LIMOSELLA AQUATICA, L. Mudwort. A. 7-9.—Places where water has stood; very rare. II. Amberley. Bet. Storrington and Parham Park, N.B.G. III. Henfield, Hb. Bor. Broadmere Common, circ. 1835, Bot. Sus. IV. Maresfield, Hb. Bor.
- SIBTHORPIA EUROPÆA, L. Cornish Moneywort. P. 7-8.—Damp shady places; very rare. V. Bog on Waldron Down, 1837, N.B.G. On the banks of a deep shady stream, Waldron. Bank of a large pond, Cross-in-Hand. By the stream running through Heathfield Park, abund. Sparingly on most of the streams running S. from Heathfield, R. V. Hurstmonceux Park! 1899, T.H. Nr. Ashburnham, E.E. VI. Dallington Forest, B.
- Note.*—The only other locs. for it in Top. Bot. are E. and W. Cornwall, Devon, Somerset, Glamorgan, and Carmarthen. There is no other species of the genus.
- VERONICA HEDERÆFOLIA, L. Ivy-leaved Speedwell. A. 3-8.—Cult. ground; very com.
- V. POLITA, Fries. Grey Field Speedwell. A. 1-12.—Fields and roadsides; rather com. I. About Westbourne in several

places, *A.* Ichenor, *A.F.* Graffham. Selham. Coates, *E.S.M.* III. About Brighton, *M.* IV. Offham. Uckfield, *U.* V. Downs above Paradise, Green Street, *R.* VI. Hastings district, com., *B.* VII. About Tunbridge Wells, com., *E.J.*

Var. *GRANDIFLORA*.—*I.* Bosham, *E.S.M.*

V. *AGRESTIS*, *L.* Green Field Speedwell. A. 6-9.—Cult. and waste ground; very com.

***V.** *BUXBAUMII*, *Ten.* Buxbaum's Speedwell. A. 3-9.—Cornfields and roadsides; com. Introduced about 1820; spreading very rapidly all over the country. It is a native of Eastern Europe and Central Asia.

V. *ARVENSIS*, *L.* Wall Speedwell. A. 7-8.—Walls and dry places; com.

V. *SERPENTIFOLIA*, *L.* Thyme-leaved Speedwell. P. 5-7.—Fields and waste ground; com.

V. *OFFICINALIS*, *L.* Common Speedwell. P. 5-8.—Woods, heaths, and banks; com.

V. *CHAMÆDRYS*, *L.* Germander Speedwell. S. Bird's-eye. P. 5-6.—Banks and roadsides; very com.

V. *MONTANA*, *L.* Mountain Speedwell. P. 4-7.—Woods and shady places; rather rare. I. Harting, *W.* Nr. Midhurst, *H.E.F.* Petworth, *A.* Graffham. Lodsworth, *E.S.M.* II. Faygate, 1904, *C.E.S.* III. Nr. Brighton, *M.* IV. Woods nr. Barcombe, rare, *U.* V. Gnat Wood. Abbot's Wood. Wartling Wood, *R.* VI. Fairlight. Ecclesbourne Glen. Battle. Guestling, not uncom., *B.* VII. Withyham. Moist Woods, not com., *E.J.* East Grinstead, *H. F. Parsons*.

V. *SCUTELLATA*, *L.* Marsh Speedwell. P. 6-8.—Sides of pools and wet places; rather rare. I. Nr. Midhurst, *H.E.F.* Pool above Westbourne Common. By "the Dells," *W. Ashling.* Midhurst Common. II. Amberley Wild Brooks, 1899, *C.E.S.* III. Albourne. Henfield, *W.M.* IV. Chailey Common, *N.J.T.* V. Bank of the Cuckmere. Side of pond opposite Christchurch, *R.* VI. Mill Pond, Dallington. Pett. Icklesham, *B.* VII. Ashdown Forest, *N.J.T.*

V. *ANAGALLIS*, *L.* Water Speedwell. P. 6-8.—Ponds and ditches; com.

V. *BECCABUNGA*, *L.* Brooklime. P. 5-8.—Damp places; com.

EUPHRASIA OFFICINALIS, *L.* Common Eyebright. A. 5-9.—Downs, pastures, and roadsides; com.

Var. *GRACILIS*.—*I.* West Stoke, *F.T.* IV. Lane End Common, *T.H.* V. Mill Wood, Bexhill, *R.*

Var. *ROSTKOVIANA*, *Hayne*, com.—*I.* Ambersham and Midhurst Commons, *E.S.M.* II. Washington Common, *T.H.* III. Stanmer Down, *T.H.* IV. Piltdown, *T.H.*

Var. *KERNERI*, *Wettst.*—I. Bignor. Cocking, on open Downs, *E.S.M.* III. Stanmer Down, *T.H.*

Var. *NEMOROSA*, *Pers.* Frequent.—I. By Petworth Station. Lavington Common. Downs above Heyshott, *E.S.M.* III. Dyke Hills, Brighton, *T.H.* IV. Seaford, *T.H.* Obs.—Babington says that these are scarcely distinguishable at all times. They are little better than forms or states.

BARTSIA ODONTITES, *Huds.* Red Bartsia. A. 6-8.—Fields and roadsides; very com.

Var. *VERNA!*—II. Arun district, *Hon. J. L. Warren.*

Var. *SEROTINA*.—I. Westbourne. Racton. Fishbourne, A. II. Arun district, *Hon. J. L. Warren.* V. Eastbourne. Nr. Southbourne, July, 1872, *R.*

Var. *ROTUNDATA!*—I. Bepton Common, *Syme.*

B. VISCOSEA, *L.* Yellow Bartsia. A. 7-9.—Roadsides; very rare. I. Pagham, in two stations over half a mile apart, 1900, *Rev. E. O. Edgell.* IV. Nr. Newick Station, 1897, *T.H.* V. Roadside bet. Bexhill and Little Common, *Hb. C.* Roadside nr. Mill Wood, Bexhill, *R.*, 1835. VI. Netherfield, nr. Battle, *B.*

PEDICULARIS PALUSTRIS, *L.* Upright Lousewort. A. 5-8.—Bogs and marshy places; not com. I. Harting, W. Heyshott, *H.E.F.* Fishbourne Marshes nr. the Waterworks. II. Chiltington. Amberley Wild Brook, *C.E.S.* III. Nr. Brighton, *M.* IV. Lewes, meadow nr. Beechwood, *U.* VI. Ore, St. Helen's, *O.* VII. Nr. Tunbridge Wells, *E.J.*

Var. *R. STENOPHYLLUS*, *Schur.*—I. Downs above Sutton; discovered by Mr. Linton, who also found it between Barlavington and Upwaltham. New to Sussex, 1901, *E.S.M.*

P. SYLVATICA, *L.* Procumbent Lousewort, *S.* Red Rattle. P. 4-7.—Commons, heaths, and damp places; com.

RHINANTHUS CRISTA-GALLI, *L.* Common Yellow Rattle. *S.* Penny Rattle. A. 5-7.—Meadows; very com.

Var. *MAJOR*.—VI. Nr. Hastings, *Bor.*

M. ARVENSE, *L.* Field or Purple Cow-Wheat. Poverty Weed. A. 6-8.—Cornfields and clover fields. Very rare. I. On the Down above Funtington, 1901, *Rev. Cyril Walker.* III. Field on the hills towards Cissbury, amongst sandfoin, 1892, *Mr. H. E. Snewin.* Obs.—Abundant in the Isle of Wight, where it renders bread discoloured and unwholesome, the seed being ground up with the wheat.

MELAMPYRUM PRATENSE, *L.* Common Cow-wheat. A. 5-8.—Woods; com.

OROBANCHACEÆ.

LATHRÆA SQUAMARIA, *L.* Toothwort. P. 4-5.—

Parasitical on hazel, privet, &c., in woods and thickets; very rare. I. Harting. hedgerow nr. Eckenfields, *W.* II. Washington, *Hb. Bor.*, *Helyer and Edwards.* III. Clayton, 1890, *H.H.* VI. Hastings and Ore, 1897, *Natural History of Hastings.*

OROBANCHE MAJOR, *L.* Greater Broom-rape. P. 5-7.— Parasitical on broom, furze, &c.; rare. I. Nr. Chichester, *Hb. T.* Coates. Graffham Common. Field at Mid-Lavant, 1893, *A.* II. Ferring. *Hb. D.* III. Nr. Brighton, *M.* IV. Fletching, *M.D.* V. Nr. Cross-in-Hand, *Hb. Bor.* Abbots Wood, *E.E.* VI. Guestling. Fairlight, on furze, *B.* VII. About Tunbridge Wells, freq., *E.J.* Chelwood Common, *N.J.T.*

O. ELATIOR, *Sutton.* Tall Broom-rape. P. 6-7.—Parasitical on thistles and on *Centauria Scabiosa*; rare. II. Ferring, *Hb. D.* III. Nr. Brighton, *M.* IV. Lewes, *Hb. C.* North of Seaford, *E.E.* V. Jevington, Michel Dean, *R.* VI. By the road to the High Rocks, Tunbridge Wells, *Forster.*

O. MINOR, *L.* Lesser Broom-rape. P. 6-9.—Parasitical on clover; com.

O. ERYNGII DUBY. Sea Holly Broom-rape. A. 6-9.—On *Eryngium Maritimum*; rare. “Sussex, E.”, *Mrs. Jones*, sp. *Watson.*

VERBENACEÆ.

VERBENA OFFICINALIS, *L.* Vervain. P. 7-8.—Fields and roadsides; com.

LABIATÆ.

LYCOPUS EUROPAEUS, *L.* Gipsywort. Water Horehound. P. 6-8.—Sides of ponds, streams, and ditches; com.

MENTHA ROTUNDIFOLIA, *L.* Round-leaved Mint. P. 8-10.—Damp pastures and sides of ditches; rare. I. Stoughton, *Hb. C.* Foot of Elbridge Hill, Westbourne. Meadows by Raeton Church, abund. Lordington, *A.* Westdean. Arundel Park, *Bot. Sus.* III. Henfield Churchyard, *W.M.* VI. Swampy field N. of Peppering Powder Mills, *B.*

M. ALOPECUROIDES, *Hull.* Fox-tail Mint. P. 8-9.— Damp waste ground; rare. I. Kingsley Marsh, 1895, *C.E.S.* IV. Staplefield Common, 1895, *H. F. Parsons.*

M. SYLVESTRIS, *L.* Horse Mint. P. 8-9.—Damp places; very rare. III. Worthing, *Bot. Sus.* Nr. Albourne Place. Henfield, *Hb. Bor.* IV. Ditch, Southease, 1895, *T.H.*

M. PIPERITA, *Huds.* Peppermint. P. 8-9.—Wet places; not com. I. Bet. Ratham and W. Ashling, 1889, *Mr. W.*

- Jeffery.* By the road from Chichester to Arundel, bet. Ball's Hut and Avisford Hill, *Bot. Sus.*
- M. HIRSUTA, L.** Hairy Water Mint. P. 8-9.—Ditches; very com.
- Var. *CITRATA*.—**III.** Henfield, *W.M.*
- M. SATIVA, L.** Marsh Whorled Mint. P. 8-9.—Wet places; not uncom. **I.** Lumley. Westbourne. By Stansted Ponds. **II.** Ferring, *Hb. D.* **III.** Nr. Henfield, *Bor.* **IV.** Lewes Level, *N.B.G.* **V.** Bet. Hailsham and Horse Eye. **Nr.** Tut Barn, *R.* **VI.** Dallington, *B.* **VII.** Bayham, *E.J.*
- M. RUBRA, Sm.!** Tall Red Mint. *Sm.* P. 7-8.—Wet places; rare. **III.** Ditchling. Henfield, *Bot. Sus.* Hurst-pierpoint, *U.* **IV.** Ringmer, *U.* Staplefield Common, 1895, *H. F. Parsons.*
- M. ARVENSIS, L.** Corn Mint. P. 7-9.—Cult. ground; com.
- Var. *AGRESTIS*.—**I.** East Marden, *Hb. C.*
- Var. *PRAECOX*, *Sole*.—**II.** Ditch nr. the Arun below Pulborough, *Rev. E. F. Linton.*
- HYBRID ARVENSIS X HIRSUTA**.—**II.** By the river bet. Pulborough and Amberley.
- Var. *ALLIONI* (*Bor.*).—**IV.** Near the Great Pond, Horsted Keynes, *W.W.*
- M. PULEGIUM, L.** Penny Royal. P. 7-9.—Wet heaths and moist waste ground; rare. **I.** Hambrook Common, about four miles from Chichester, *Walpoole*, 1784. **III.** West Grinstead, *Hb. Bor.* Henfield. Wivelsfield, *W.M.* Talmer Pond, *E.E.* **IV.** About Fletching, freq., *N.J.T.* **V.** Nr. Berwick Station, *R.* **VI.** Fairlight, Undercliff, *Prof. T. Dyer.* **VII.** Ashdown Forest. **Nr.** Forest Row, *W. W. Reeves.*
- THYMUS SERPYLLUM, L.** Creeping Wild Thyme. P. 7-9.—Downs, heaths, and old pastures; com.
- T. CHAMÆDRYS, Fries.** Larger Wild Thyme. P. 7-9.—Heaths and chalky banks; not uncom.
- ORIGANUM VULGARE, L.** Common Marjoram. P. 7-8.—Dry banks and roadsides; com. on the chalk, rare in the extreme E. of the County. **I.** Nr. Midhurst, *H.E.F.* Harting. Racton. Walderton. Funtington. Singleton. Upwaltham. Duneton. Arundel Park, com.. **II.** Billingshurst, *S.E.* Edges of Clapham Woods, *O.* **III.** Steyning, *F.H.H.* Nr. Brighton, *M.* **IV.** Old chalk pit nr. Offham. Landport, very com., *U.* **V.** Rattton. Filching. Between Wannock and Jevington. Meads, *R.* **VI.** Guestling Railway bank, introd., *B.* **VII.** Nr. Tunbridge Wells, *E.J.*
- CALAMINTHA CLINOPODIUM, Spenn.** Wild Basil. P. 7-8.—Bushy places and hedge banks; not com., except on the chalk. Not reported from VI. **I.** Woolbeding, *H.E.F.* Harting, *W.* Westbourne, nr. the Cemetery, abund.

Racton. Lavant. Tillington, A. Lavington. Graffham, E.S.M. Nr. Slindon. Chalk pit near "Black Rabbit," W.H.B.F. II. Nr. Parham, F.V.P. Goring, O. Sompting, O. III. Downs nr. Brighton, M. IV. Lewes Downs, very abund., U. V. Ratton. Cow Gap. Jevington. Hurstmonceux, com., R. VII. Nr. Tunbridge Wells, com., E.J.

C. ACINOS, *Clairv.* Basil Thyme. A. 6-8.—Chalky and sandy fields and banks; not uncom. Not reported from VI. I. Harting, W. Woolbeding, H.E.F. Walderton Down, abund. Racton. Singleton, A. Nr. Aldingbourne, H.E.D. II. High Down Hill. Goring, O. III. Brighton Race Course, Hb. B. IV. Nr. Ashcombe. Cliffe Hill, Lewes, U. V. Beachy Head. Nr. Eastdean. By Exect, rather rare, R. VII. Nr. Tunbridge Wells, E.J.

C. NEPETA, *Clairv!* Lesser Calamint. P. 7-8.—Dry banks; very rare. I. East Harting, W. IV. Lewes, by the side of the road towards Winterbourne, U. VI. Castle Hill, Hastings, O. VII. Nr. Tunbridge Wells, Bot. Sus.

C. OFFICINALIS, *Moench.* Common Calamint. P. 7-9.—Roadsides and hedge banks; not uncom. I. Harting, W. Midhurst, H.E.F. Chichester Walls. Bet. Lavant and Singleton. Funtington. Racton. Westbourne. Nutbourne. Arundel Park. III. Worthing, Rev. A. K. Nairne. IV. Nr. Offham. About Lewes, freq., U. V. Hedge bet. Littlington and Westdean, R. VI. Hastings, Castle Hill, B. About Tunbridge Wells, com., E.J.

NEPETA CATARIA, *L.* Catmint. P. 7-9.—Banks and waste places; rare. I. Ambersham, H.E.F. Westbourne, roadside near the Cemetery. In the Keep of Arundel Castle. By Swanbourne Lake. Lane nr. E. Lavant. Dunton. III. Old Shoreham, S.E. Bank on road nr. Bramber. Nr. Cliftonville, O. IV. Winterbourne Hollow, on the bank nr. Landport, U. V. Shingles nr. Langley Gate, R. Roadside nr. Bexhill, F.B.D.

N. GLECHOMA, *Benth.* Ground-Ivy. S. Alehoof. P. 3-6.—Woods, banks, and shady places; very com.

SALVIA VERBENACA, *L.* Wild English Clary. P. 5-8.—Dry fields, roadsides, and churchyards, also by the shore; not uncom. I. Thorney Churchyard. Westbourne Churchyard. Stoughton Churchyard. Mid-Lavant Churchyard. By the Priory Park, Chichester. In and around the city, freq. II. Nr. Ferring, Hb. D. III. Charmandean. Sompting, H.D. Old Shoreham Churchyard, W.H.B.F. Broadwater Green, O. Bet. Portslade and Southwick, Hb. B. Steyning Churchyard, S.B. West Chiltington Churchyard, C.E.S. IV. Fletching, E.M.D. Nr. Blatchington Battery. Newhaven, very com., U. About Seaford, very abund., W.H.B.F. V. Cliffs at Holywell, Friston. Littlington, rather com., R. VI. Camber, nr. Coast Guard

Houses, *B.* VII. About Tunbridge Wells, *E.J.* Obs.—This flower was planted on graves in the olden time, hence it so often lingers in churchyards.

**S. PRATENSIS, L.* Meadow Clary. P. 7.—Dry meadows; rare. I. Meadow nr. Lordington House, 1900, *Mr. H. Christy*. Brownings, Kirdford, *H. Nicholls, Esq.* III. Rough chalky bank at Saddlescombe, 1902, *Miss M. Robinson*. Hurstpierpoint, “in a field sown with grass seed,” *W.M.*

PRUNELLA VULGARIS, L. Self-heal. P. 6-8.—Woods, downs, and meadows; com.

SCUTELLARIA GALERICULATA, L. Common Skull-cap. P. 7-8.—Banks of rivers and streams; rather com. I. Harting, *W.* Nr. Midhurst. By the Ems, nr. Westbourne. Nr. Bosham Station. Icheneor. Petworth, nr. Rotherbridge, *A.* Aldingbourne, *E.H.D.* II. Banks of the Arun, *G.B.H.* Nr. Pulborough, abund., *A.* III. Nr. Henfield, *Bor.* IV. Nr. Hamsey. Nr. Barcombe, not uncom., *U.* V. Bank of the Cuckmere, nr. Berwick. Hurstmonceux, rather rare, *R.* VI. Battle, *J.H.A.J. Guestling*. Pett, *B.* VII. Nr. Tunbridge Wells, freq., *E.J.*

S. MINOR, L. Lesser Skull-cap. P. 7-9.—Moist woods and damp places; not uncom. I. Down Park, Harting. Stansted Woods, abund. Midhurst Common. Bosham. II. Nr. Greatham, *S.E.* III. Nr. Henfield, *Bor.* IV. Chailey Common, *U.* V. Gnat Wood. Wilmington Wood. Mill Wood, Bexhill. Heathfield, com., *R.* VI. Fairlight, *N.B.G.* Dallington Forest, com., *B.* VII. Ashdown Forest, *M.D.* Starvemouse Plain, Tilgate Forest, *Hanson*. Gargle Wood, nr. E. Grinstead, *Coleman*. Bogs nr. Tunbridge Wells, *E.J.*

MELITTIS MELISSOPHYLLUM, L. Bastard Balm. P. 5-6.—Shady woods and hedges; very rare. II. St. Leonards Forest, 1847, sp. from *Borrer*, *Hb. C.* IV. By the cross road from Handcross, Slaugham to the Horsham road, *Bot. Sus.* Recently found by *Helyer and Edwards*.

MARRUBIUM VULGARE, L. White Horehound. P. 6-9.—Downs, waste places, and roadsides; rare. I. Nr. Midhurst, *H.E.F.* E. Lavant, *A.* Arundel Park, *H.W.B.F.* II. Chalk pit, Salvinton, *O.* III. Cissbury, *H.W.B.F.* Brighton, *T.H.* IV. By a farm nr. Glynde, 1900, *C.E.S.* V. Hills both sides of the Cuckmere Valley, *E.E.* Bet. Eastdean and the Lighthouse, very rare, *R.* VI. Nr. Rye Harbour, rare, *B.*

BALLOTA NIGRA, L. *B. foetida, Lam.* Black Horehound. P. 6-8.—Roadsides; very com.

Var. *RUDERALIS*.—V. Roadside nr. Berwick Church. Polegate, *R.*

STACHYS BETONICA, Benth. Wood Betony. P. 6-8.—Woods, heaths, and banks; com.

S. PALUSTRIS, *L.* Marsh Woundwort. P. 7-8.—Sides of streams and wet places; com.

Var. **AMBIGUA**.—I. Nr. Prinsted. III. Nr. Henfield, *Bor.* VI. Ore, *R. Tate.*

S. SYLVATICA, *L.* Hedge Woundwort. P. 7-8.—Woods and roadsides; very com.

S. ARVENSIS, *L.* Corn Woundwort. A. 4-9.—Fields; rather com. I. Harting, *W.* Nr. Lumley. Westbourne. Prinsted. Racton. Halnaker, *A.* II. Nr. Wisborough Green, *H.E.F.* III. Nr. Brighton, *M.* IV. On the Wallands, Lewes, *U.* V. Nr. Ratton. Bet. Hailsham and Abbot's Wood. Waldron, *R.* VI. Nr. Guestling, *B.* VII. About Tunbridge Wells, com., *E.J.*

GALEOPSIS LADANUM, *L.* Red Hemp-nettle. A. 7-9.—Chalky and sandy fields, also on shingle; com.

Var. **CANESCENS**.—V. On the shingles above the redoubt, Eastbourne, abund., *R.*

Var. **ANGUSTIFOLIA**, com.—I. Lavington. Shingles between Pagham and Selsey, *E.S.M.*

G. VERSICOLOR, *Curt.* Variegated Hemp-nettle. A. 7-8.—Sandy fields; rare. II. Plummer's Plain, St. Leonards Forest, *Bot. Sus.* III. Hickstead. Twineham, *Bot. Sus.* VII. Roadside, nr. the Boar's Head, beyond Eridge Park, *Forster.* Hedges nr. E. Grinstead, *Coleman MSS.*

G. TETRAHIT, *L.* Common Hemp-nettle. A. 7-9.—Woods and hedgebanks; not uncom. westward. I. Harting, *W.* Nr. Midhurst, *H.E.F.* Racton Wood, (red and white). Westbourne. Ashling. Lavant. Petworth. Woods nr. Rotherbridge, (red and white). II. Burpham. III. Nr. Brighton, abund., *M.* IV. About Lewes, freq., *U.* V. Heathfield. Abbot's Wood, rare, *R.* VI. Nr. Hastings. Guestling, *B.* VII. About Tunbridge Wells, freq., *E.J.*

LEONURUS CARDIACA, *L.* Motherwort. P. 8.—Hedges and waste places; rare. I. Selsey, *Hudson.* II. Stopham Bridge, *Bot. Sus.* IV. Nr. Plumpton, 1872, *U.*, *Lewes Soc. Trans.*, 1875. V. Nr. Horeham, *E.E.*

LAMIUM AMPLEXICAULE, *L.* Henbit Dead Nettle. A. 5-8.—Cult. and waste ground; not com. westward. I. Fields at Racton, sparingly, 1885, *A.* Sandy fields, Lavington and Selham, *E.S.M.* Ratham, *W.J.* III. Henfield, *Rev. A. K. Nairne.* Roadside nr. Bramber. Ditchling, *O.* Shoreham Harbour, 1905, *A. Webster.* Nr. Brighton, com., *Hb.* *B.* IV. About Lewes, in gardens and fields, freq., *U.* V. Nr. Eastbourne, com., *R.* VI. Battle. Guestling. Camber, rare, *B.* VII. About Tunbridge Wells, *E.J.*

L. INCISUM, *Willd.* Cut-leaved Dead Nettle. A. 5-8.—Cult. ground and roadsides; not com. I. West Stoke, *Hb.* C. III. Downs nr. Brighton, abund., *M.* Roadside ditch

- bet. Keymer and Ditchling, 1897, T.H. IV. Ripe, U.
V. Top of Beachy Head, R.
- L. PURPUREUM, L. Red Dead Nettle. A. 4-8.—Cult. and waste ground; very com.
- L. MACULATUM, L.! Spotted Dead Nettle. P. 4.—Banks; rare. III. Hassocks Gate, H.
- L. ALBUM, L. White Dead Nettle. P. 5-7.—Roadsides and waste places; com.
- L. GALEOBDOLON, Crantz. Yellow Dead Nettle. S. Weasel-snout. P. 5-6.—Woods, hedge banks, and shady places; not uncom. I. Harting, W. Nr. Midhurst, H.E.F. Westbourne, Foxbury. Adsdean. Racton, nr. the Tower, abund. Hedge bet. Racton and Aldsworth. Oakwood. Clay Lane. Ashling Wood. Coates. Petworth, A. Halnaker, E.H.D. II. Billingshurst, S.E. Ferring, Hb. D. III. Nr. Brighton, M. IV. By the Alder's, nr. Offham. Nr. Lewes, not uncom., U. V. Gnat Wood. Abbot's Wood. Nr. Hailsham. Wannock, rather com., R. VI. Ore Lane. About Hastings, com., B. Nr. Tunbridge Wells, freq., E.J.
- AJUGA REPTANS, L. Common Bugle. P. 5-6.—Moist woods and damp pastures; com.
- TEUCRIUM CHAMÆDRYS, L. Wall Germander. P. 7.—On old buildings; very rare. VI. Ruins of Camber Castle, plentiful in Sherard's time, Smith. Specimens in Hb. D. coll. H. Taylor, 1846. Now rare, Bloomfield.
- T. SCORODONIA, L. Wood Sage. P. 7-8.—Woods, heaths, and shady hedges; very com.

BORAGINACEÆ.

- ECHIUM VULGARE, L. Common Viper's Bugloss. B. 6-8.—Sandy and chalky fields and seaside waste; not uncom. Not reported from VII. I. Westbourne, roadside nr. the Cemetery. Lavant. Adsdean. Selsey. Appledrum. Watergate Hanger. Dunton, A. Coldwaltham. Arundel, S.E. Aldingbourne, E.H.D. Pagham, on shingles, R.W.B. II. Roadsides nr. Horsham, G.B.H. III. About Old Shoreham (deep purple), Bromfield. Downs bet. Shoreham and Bramber. Cissbury, W.H.B.F. Kingston beach, M. Aldrington. Hove, U. IV. Banks nr. Southram. Nr. Offham and occas. on the Lewes Downs, U. V. Eastbourne, bet. the Redoubt and Langley. Holywell, R. VI. Pett. Rye Harbour. Camber, B.

PULMONARIA OFFICINALIS, L.! Common Lungwort. P. 5-6.—Woods; very rare. I. Dane's Wood, Slindon, Bot. Sus. Hardham Common, S.E. V. Ratton Decoy, R.

LITHOSPERMUM OFFICINALE, L. Common Gromwell. Grey Millet. P. 6-7.—Chalky banks and dry stony places; rather rare. I. Stoughton. East Marden, Hb. T.

Harting, freq. Slindon. Arundel Park, abund. Petworth. Watergate Hanger, 1895, abund. Halnaker, 1897. III. N. side of Cissbury, *H.W.B.F.* Old Shoreham, *O.* Nr. Rifle Butts, Brighton, *Hb. B.* IV. Lewes Downs. Winterbourne Lane, *U.* V. Filching. Cliff beyond Holywell. Friston. Ratton, *R.* VI. Netherfield. Pett, very rare, *B.*

L. ARVENSE, *L.* Corn Gromwell. A. 6-7.—Cult. fields and waste ground; not com. westward. I. Appledram, nr. Dell Quay. II. Ferring, *Hb. D.* III. Sompting, *H.W.B.F.* Nr. Brighton, *M.* IV. Nr. Lewes, plentiful amongst corn, *U.* V. Holywell. Green-street. Nr. Rodmill Farm. Bexhill. Beachy Head, abund., *R.* VI. Guestling, rare, *B.* VII. About Tunbridge Wells, *E.J.*

MYOSOTIS CÆSPITOSA, *Schultz.* Tufted Water Forget-me-not. *B.* or *P.* Ditches and wet places; not uncom.

M. PALUSTRIS, *With.* Great Water Forget-me-not. *P.* 5-8.—Sides of streams; very com.

M. REPENS, *Don.* Creeping Water Forget-me-not. *P.* 6-8.—Boggy places and ditches; not com. I. Nr. Lynchmere, *J. G. Baker.* Lumley. Westbourne, *A.* Graffham, *E.S.M.* II. Amberley, *Hb. Bor.* V. Shingles nr. Langley, *R.* VI. Guestling, *B.* VII. Ashdown Forest, bet. Forest Row and Crowborough, abund., *W. W. Reeves.* About Tunbridge Wells, *E.J.*

M. SYLVATICA, *Hoffm.* Wood Forget-me-not. *P.* 5-7.—Woods and bushy places; very rare. II. Warnham in several small copses, *Dr. H. Trimen.*

M. ARVENTIS, *Hoffm.* Field Forget-me-not. A. 6-8.—Cult. and waste ground; com.

Var. **UMBROSA**.—I. Kingley Vale, among bushes, sparingly, 1886. II. Horsham, *Hb. Bor.* III. Wood nr. Ditchling, 1896, *T.H.*

M. COLLINA, *Hoffm.* Dwarf Forget-me-not. A. 4-5.—Dry banks, walls, and shingles; rather rare. I. Harting, *W.* Bank on the N. side of Prinsted Marsh. By the roadside bet. Chichester and Fishbourne, *A.* Coates Common. South Ambersham. Selham, *E.S.M.* III. Nr. Brighton, *M.* V. Shingles nr. Langley. Pevensey Castle, *R.* VI. Pett. Camber, *B.* VII. Nr. Tunbridge Wells, *E.J.*

M. VERSICOLOR, *Reich.* Yellow and blue Forget-me-not. A. 4-7.—Meadows and banks; rather com. I. Midhurst, *Hb. T.* Racton. Westbourne. Bet. Hermitage and Thorney. Fishbourne Church Field. II. Ferring, *Hb. D.* Horsham, *N.* III. Downs nr. Brighton. Aldrington beach, *M.* IV. About Lewes, freq., *U.* V. Gnat Wood. Shingles nr. Langley, *R.* VI. St. Leonards, *J.H.A.J.* Pett. Guestling, *B.* VII. About Tunbridge Wells, freq., *E.J.*

Var. **BALBISIANA**.—I. Roadside nr. Wibling's Farm, Graffham, extremely scarce, *E.S.M.*

LYCOPSIS ARVENSIS, L. Small Bugloss. A. 6-7.—Cornfields, especially on sandy soils, sporadic; not com. I. Harting, *A.* Nr. Midhurst, *H.E.F.* Halnaker Hill, *E.H.D.* II. Bet. Pulborough and Chiltington. III. Nr. Brighton, *M.* Kingston-by-Sea, 1892, *T.H.* V. About Catsfield, 1895, *E. S. Salmon.* VII. Nr. Tunbridge Wells, *E.J.*

***ANCHUSA SEMPERVIRENS, L.** Evergreen Alkanet. P. 6-7.—Waste ground; rare. I. Chichester, by the back of the Barracks, *F.V.P.* Arundel, by the roadside, 1898, *P. E. Coombe.* Binsted, 1899, *A. A. Evans.* III. Nr. Brighton, *M.* IV. On the bank under the Town Wall in Southover, nr. the Priory House, Lewes, *U.* Lewes, sp., *Hb. T.*

***BORAGO OFFICINALIS, L.** Common Borage. A. or B. 5-6.—Waste ground, as a garden outcast, not uncom., and occas. by the sea, almost naturalized. I. Bank bet. Hermitage and Thorney, abund., *A.* Nr. Aldingbourne, *E.H.D.* II. Nr. Goring Hall, *Hb. D.* III. Broadwater, *O.* Nr. Brighton, *M.* V. Pevensey Castle, *Hb. Bor. Alfriston.* Ratton, *R.* VI. Nr. Hastings. Winchelsea, *B.* VII. Tunbridge Wells, *E.J.*

SYMPHYTUM OFFICINALE, L. Common Comfrey. P. 5-8.—River and ditch sides; com., not unfreq. with white flowers.

Var. *PATENS*.—I. Nr. Midhurst, *H.E.F.* Roadside nr. Racton Church, 1887, *A.* V. Roadside nr. Heathfield. Nr. Berwick, *R.*

CYNOGLOSSUM OFFICINALE, L. Common Hound's Tongue. B. 5-7.—Dry waste ground and sea shores; rather rare. I. Up Park, Harting, *W.* Arundel, by Swanbourne Lake, *A.* Teglease, towards Dunton Down, *E.S.M.* Stansted Woods, *A.* III. Cissbury, in the moat and in the camp abund., *H.W.B.F.* Edburton. Shoreham, *W.M.* IV. Lewes, on the Downs nr. Ashcombe, also on "Mount Harry." Plentiful in a patch of furze on Cliffe Hill above the Coombe, *U.* V. Crumbles, Eastbourne, *S.E.* Bet. Pevensey Road and Langley Fort, *R.* VI. St. Leonards, *O.* Pett Level, Rye Harbour, *B.* VII. About Tunbridge Wells, com., *E.J.*

Var. *SUBGLABRUM*, *Syme.*—I. By the roadside, Forest Side, 1902, *Mrs. Parson.*

C. **MONTANUM, Lamk.!** Green-leaved Hound's Tongue. B. 6.—Roadsides; rare. VII. Lanes nr. Tunbridge Wells, *Bot. Sus.* Withyham, *Forster.* No recent record.

PINGUICULACEÆ.

UTRICULARIA VULGARIS, L. Greater Bladderwort. P. 6-8.—Ponds and ditches; not com. I. Hunston Common. Chichester Canal. II. Parham, *S.E.* Amberley. III. Nr.

- Henfield, *M.* IV. Ditches nr. the Lord's Place, Lewes, *U.* V. Nr. Waterworks, Eastbourne. Bet. Langley and Pevensey. Marsh dykes, com., *R.* VI. Winchelsea, *B.* VII. About Tunbridge Wells, *E.J.*
- U. NEGLECTA, Lehms.** Lehman's Bladderwort. Ditches; rare. P. 6-8.—II. Amberley Wild Brooks, *R.* E. F. Linton.
- U. MINOR, L.** Lesser Bladderwort. P. 6-8.—Ditches in bogs; rare. II. Chiltington Common, abund., 1877.
- U. INTERMEDIA, Hayne.** Intermediate Bladderwort. P. 7.—Pools and ditches; very rare. II. Pulborough Common, *Malleson, Hb. T.*

PRIMULACEÆ.

HOTTONIA PALUSTRIS, L. Water Violet. P. 5-6.—Ponds and ditches; rare westward. III. Brooks about Henfield, *Rev. A. K. Nairne.* Shipley, *E.E.* Bramber ditches, *H.H.* IV. Bet. Kingston and Iford, *U.* V. Ditches in Pevensey Level, in many places, *N.B.G.* Nr. Tut Barn, com., *R.* Bexhill, *O.* Berwick, *E.E.* VI. Guestling. Pett, not uncom. Nr. Winchelsea Railway Station, *B.*

PRIMULA VULGARIS, Huds. Primrose. P. 3-6.—Woods, banks, and borders of fields; com.

Var. *ACAU LIS X VERIS*.—Oxlip; not uncom. I. E. Marden, *Hb. T.* Ashling Wood, *A.* Eartham, *E.H.D.* Warningcamp, *Miss A. Page.* Coates, *Miss M. Cooper.* II. Ferring, *Hb. D.* Clapham, *W.H.B.F.* III. Nr. Brighton, *M.* IV. Fletching, *E.M.D.* Nr. Lewes, occas., *U.* V. Wood bet. Polegate and Wannock. Wartling, *R.* VI. About Wadhurst and Mayfield, abund., *E.J.*

Note.—This plant is a hybrid bet. the Primrose and the Cowslip. P. elatior, *Jacq.* is found only in the Eastern counties.

P. VERIS, L. Cowslip. P. 4-5.—Downs and meadows; com. Obs.—There is an endless series of ever-varying hybrids between *P. Vulgaris* and *P. Veris*.

***CYCLAMEN HEDERÆFOLIUM, Willd.**! Ivy-leaved Cyclamen. P. 4.—Woods; very rare. VI. "A single plant found by Mr. W. W. Saunders in 1850, in a wood near Hastings, since destroyed." Borrer considered it wild (*Phytologist*, 1854, p. 49).

LYSIMACHIA VULGARIS, L. Common Loosestrife. P. 7-8.—Sides of rivers and damp places; loc. com. I. Aldingbourne Rife, *E.H.D.* By Chichester Canal, nr. Lidsey. Barnham. Houghton Bridge, 1899, *Rev. A. A. Evans.* II. Greatham, *S.E.* Pulborough. Chiltington. III. Brooks about Henfield, *Rev. A. K. Nairne* IV. Ditches in the Lewes Levels. Nr. Hamsey Place by the

Ouse, com., *U.* V. Nr. Tut Barn. Bank of Cuckmere nr. Alfriston, *R.* Bexhill Common, *O.* VI. Nr. Hastings, abund. Pett. Guestling, *B.* VII. About Tunbridge Wells, *E.J.*

L. NUMMULARIA, *L.* Moneywort. *S.* Herb Two-pence. P. 6-7.—Damp places; rather com. I. Harting, *W.* Racton Wood. Westbourne. Fishbourne. Appledram. Ratham. Chidmere, abund., 1889, *A.* Swamp nr. Oving, *E.H.D.* Lavington. Lodsworth, *E.S.M.* II. Amberley, *S.E.* Ferring, *Hb.* *D.* Nr. Tarring, *Walpoole*, 1784. III. Nr. Brighton, *M.* IV. Lewes Levels, com., *U.* V. Banks of the Cuckmere, nr. Berwick. Nr. Waterworks, Eastbourne, *R.* VI. Robertsbridge. Battle, *B.* VII. Nr. Tunbridge Wells. Ashdown Forest, com., *E.J.*

L. NEMORUM, *L.* Yellow Pimpernel. P. 7-8.—Woods; rather com. I. Harting, *W.* Nr. Midhurst, *H.E.F.* Old Park Wood, Bosham. Oakwood. Valdoe Copse, *A.* Wood nr. Spider Gallop. Red Copse, *E.H.D.* II. Woods nr. Horsham, *G.B.H.* III. Nr. Brighton, *M.* IV. Haywards Heath, *Hb.* *B.* Nr. Uckfield, *U.* V. Wartling Wood. Gnat Wood. Nr. Mitchelham, *R.* VI. Guestling. Hastings, *B.* VII. Woods nr. Tunbridge Wells, *E.J.*

ANAGALLIS ARVENSIS, *L.* Common Pimpernel. *S.* Shepherd's weather glass. A. 5-10.—Fields and waste places; very com.

Var. *CÆRULEA*.—I. Nr. Appledram, *Mr. J. Anderson, jun.* Fishbourne, in gardens, *A.* Funtington, 1899, *Rev. Cyril Walker.* Bracklesham, *Hb.* *C.* III. Shipley, *E.E.* IV. Berwick, *E.E.* V. Hailsham, *E.E.* VI. Guestling, very rare, *B.*

Var. *PHœNICEA*.—I. Westdean, Chichester, *F.V.P.* Obs.—This plant occurs with scarlet, pink, flesh coloured, white, and blue flowers.

A. TENELLA, *L.* Bog Pimpernel. P. 7-8.—Boggy and springy places; not uncom. I. Midhurst, *H.E.F.* Heyshott. Down Park, Harting. Ditch by Westbourne Common. Fishbourne Marshes. Sutton, *A.* Nr. Bignor Park House, *H.S.* II. St. Leonards Forest, *G.B.H.* Nr. Greatham Bridge, *S.E.* III. Nr. Saddlescombe, *M.R.* IV. Bog on Chailey Common. Boggy places nr. Maresfield, *U.* V. Nr. Gotham Farm, Bexhill Common. Nr. Heathfield Chapel, *R.* VI. Fairlight. St. Helen's. Dallington. Guestling, *B.* VII. Tilgate Forest, *J.L.* Ashdown Forest, *E.J.*

CENTUNCULUS MINIMUS, *L.* Bastard Pimpernel. Small Chaffweed. A. 6-7.—Damp places on sandy or gravelly soil; probably not uncom., but easily overlooked. I. Ambersham Common, *E.S.M.* II. St. Leonards Forest, *G.B.H.* Washington, *Bot. Sus.* III. Henfield. Plummer's Plain, *Hb.* *Bor.* IV. Chailey Common nr. the bog. On the Forest nr. Maresfield, *U.* V. Arlington Wood, *R.*

VI. By the road from Tunbridge Wells to Frant, 1840,
E.J. VII. Tilgate Forest, *Hanson*. Ashdown Forest,
Coleman.

GLAUX MARITIMA, *L.* Black Saltwort. P. 6-7.—Salt marshes and sea-side waste; com. all along the coast.

SAMOLUS VALERANDI, *L.* Brookweed. P. 6-8.—Marshy places, especially nr. the sea; not com. I. Appledram Common. Nr. Lumley, Chidmere. Chidham. Swanbourne Lake, Arundel, 1901, *A.* II. Stream side, Ferring, *Hb. D.* III. Nr. Old Shoreham, in ditches, *A.* IV. Banks of ditches in the Lewes Brooks, *U.* V. Bet. Polegate and Hailsham. Shingles, nr. Langley. Below Tut Barn, Eastbourne, *R.* Bexhill Common, *O.* VI. Pett Military Canal, *B.*

PLUMBAGINACEÆ.

ARMERIA MARITIMA, *Willd.* Common Thrift. Sea Pink. P. 4-9.—Seaside waste; com. in all the maritime districts.

STATICE LIMONIUM, *L.* Great Sea Lavender. P. 7-9.—Salt marshes and shingles; com. westward. I. Thorney. Prinsted. Nutbourne. Bosham, abund. Fishbourne. Bracklesham. Bognor. II. Littlehampton. III. Shoreham, very rare, *H.W.B.F.* Beach E. of Brighton, *M.* IV. Bet. Newhaven and Seaford, abund., *H.W.B.F.* Bishopstone, by the "Salts," *U.* V. Nr. Red House, Pevensey. Walls' End, *R.*

S. BAHUSIENSIS S. **RARIFLORA**, Drejer. *Fries.* Remote-flowered Sea Lavender. P. 8-9.—Salt marshes; not com. I. Selsey, *H.E.F.* Thorney, sparingly. Dell Quay, abund., *A.* Bosham, *E.S.M.* III. Shoreham, *S.E.*

HYBRID S. LIMONIUM X RARIFLORA.—I. Bosham, *C.E.S.*

S. BINERVOSA, *G. E. Sm.* Lesser Sea Lavender. P. 7-8.—Cliffs and sea shores; rare. III. Cliffs W. of Rotting-dean, *Bor.* V. Mouth of the Cuckmere. Cliff beyond Holywell. Chalk Cliffs by Cuckmere Haven, *R.*

PLANTAGINACEÆ.

PLANTAGO MAJOR, *L.* Greater Plantain. P. 6-8.—Fields and roadsides; very com.

P. MEDIA, *L.* Hoary Plantain. P. 5-10.—Downs and pastures, especially on the chalk; com., except in VI. "Hastings district, very rare." Guestling, one sp., probably introduced. Pett, *B.*

P. LANCEOLATA, *L.* Ribwort. *S.* Lamb's tongue. P. 6-7.—Banks and roadsides; very com.

P. MARITIMA, *L.* Sea Plantain. P. 6-7.—Salt marshes and mud flats; com. along the coast.

- P. CORONOPUS, *L.* Buck's-horn Plantain. A. 6-7.—Waste ground and roadsides, especially by the sea; com.
- LITTORELLA LACUSTRIS, *L.*! Plantain Shore-weed. P. 6-7.—Margins of clear pools and streams on heaths; rare. I. Blackdown, *Borr. MSS.* II. Horsham Common formerly, now on Plummer's Plain, *G.B.H.* III. E. margin Vale Bridge Pool, *Hon. J. L. Warren.* IV. Pond, Horsted Keynes, *W.H.C.* Piltdown, nr. Uckfield, S.E. VII. Fenland and Furnace Ponds, nr. E. Grinstead, *W.H.C.* Tilgate, *E.E.*

CHENOPODIACEÆ.

SUÆDA FRUTICOSA, *Forsk.?* Shrubby Sea Blite. P. 7-8.—Sea shores. III. Adur district, doubtful, *H.* I have seen no Sussex specimens. Probably mistaken for *S. procumbens*.

S. MARITIMA, *Dumort.* Annual Sea Blite. A. 8-9.—Salt marshes and muddy shores; com. westward. I. Thorney. Prinsted. Bosham. Dell Quay. II. Littlehampton. III. Worthing. Shoreham, *O.* Bet. Lancing and Hove, *H.W.B.F.* IV. Newhaven. V. Nr. the mouth of the Cuckmere. Shingles, Eastbourne. Bexhill, *R.* VI. Camber, *B.*

Var. *PROCUMBENS*.—Not uncom.

SALSOLA KALI, *L.* Prickly Saltwort. A. 7-8.—Sandy shores; not com. I. Bet. Pagham and Bognor, *R.W.B.* Climping, *H.* Thorney, very scarce, *E.S.M.* III. Nr. Kingston Lighthouse, *Hb.* *B.* IV. Mud banks nr. Newhaven Pier, *U.* V. Mouth of the Cuckmere, *R.* VI. Rye. S. side of Camber Sandhills, plentiful, *B.*

SALICORNIA HERBACEA, *L.* Common Marsh Samphire. Glasswort. A. 7-9.—Muddy salt marshes and sides of rivers; very com.

Var. *PROCUMBENS*.—Not uncom.

S. STRICTA, *Dumort.* Annual Glasswort. A. 9-10.—Salt marshes.—I. Thorney. Hermitage, *A.* Bosham, *E.S.M.* III. Aldrington, 1901, *T.H.*

S. RAMOSISSIMA, *Woods.* Many branched Glasswort. A. 9-10.—Salt marshes. I. Nr. Pagham. Thorney, abund., *E.S.M.*

S. PUSILLA, *Woods.* Small Glasswort. A. 10.—Rather rare. I. Hermitage, *A.* South of Bosham, *E.S.M.*

S. APPRESSA, *Dumort.* Dumortier's Glasswort. A. 9-10.—Mud flat; rare. I. Bosham. Thorney. Pagham, *E.S.M.* III. Shoreham, 1899, *T.H.* Southwick, 1901, *T.H.* V. Cuckmere Haven, 1900, *T.H.* Obs.—I am greatly indebted to the Rev. E. S. Marshall for his observations on this variable genus.

S. RADICANS, *Sm.* Creeping Marsh Samphire. P. 8-9.—

Same situations as the last; but less freq. I. Pagham, *Hb.* T. Ichene. Dell Quay. Nr. Markers, Thorney. III. Shoreham, abund., *O.* Aldrington, 1903, *T.H.* V. Shingles, Eastbourne. Nr. mouth of the Cuckmere, *R.*

Var. *LIGNOSA*, Woods. Gravelly shores.—In Thorney Island and at Bosham, 1901, *Marshall*.

BETA MARITIMA, *L.* Sea Beet. *S.* Sea Spinach. P. 7-8. Sea shores; com. all along the coast. Obs.—Owing to its slightly saline flavour, by some preferred to the cultivated spinach.

CHENOPODIUM POLYSPERMUM, *L.* All-seed Goosefoot. A. 7-9.—Waste places; com.

Var. *SPICATUM*, *M.*—Not com. I. Nr. Midhurst, *H.E.F.* Westbourne. West Ashling. III. Nr. Brighton, *M.* V. Hailsham Marsh, nr. Horse Eye, rare, *R.* VI. Nr. Hastings, com., *B.* VII. Nr. Tunbridge Wells, *E.J.*

Var. *CYMSUM*.—Rare. I. Aldwick, *E.S.M.* V. Ratton. Bet. Polegate and Wilmington. Willingdon, *R.* VI. Nr. garden allotments, Frant, 1868, *A. Carr.*

C. OLIDUM, *Curt.* Stinking Goosefoot. A. 7-8.—Waste places, near walls, on the coast; rare. III. Brighton, *M.* Shoreham, *O.* V. Nr. the Drove, Eastbourne, *R.* St. Leonards, nr. Bopeep, *B.* Nr. Rye, *Mrs. J. Taylor.* VI. Hastings, at the foot of the houses in Caroline Place, *Bromfield.* Obs.—This plant has a most disagreeable smell.

C. ALBUM, *L.* White Goosefoot. *S.* Fat-hen. A. 7-8.—Waste ground; com.

Var. *CANDICANS*.—The commonest form.

Var. *VIRIDE*.—Not unfreq. in district I.

Var. *PAGANUM*.—Com. in districts I., V.

Note.—The distribution of these vars. is insufficiently reported. All are probably com.

C. FICIFOLIUM, *Sm.!* Fig-leaved Goosefoot. A. 4-8.—Cult. and waste ground; rare. III. Albourne, *W.M.* E. Cliff, Brighton, *Hon. J. L. Warren.* Goldstone Bottom, Hove, 1897, *T.H.* VI. Head of Fairlight Glen, *O.*

C. MURALE, *L.* Nettle-leaved Goosefoot. A. 7-8.—Waste ground and gardens; rather rare. I. Hermitage, Westbourne, *A.* Sidlesham, *E.S.M.* II. Littlehampton, *Trimen.* Billingshurst, *S.E.* III. Roadside, Sompting, 1893, *T.H.* V. Brick field, side of Pevensey road. Wall's end, nr. Pevensey. Below Beachy Head, *R.* Cuckmere Haven, 1892, *T.H.* Alfriston, *E.E.* VI. Winchelsea. Pett, *B.*

C. URBICUM, *L.!* Upright Goosefoot. A. 8-9.—Waste places; rare. II. Billingshurst Church steps, *S.E.* IV. Southease, 1893, *T.H.* V. Brickfield nr. Christchurch, *R.* VII. About Tunbridge Wells, com., *E.J.*

Var. *INTERMEDIUM*, *Moq.*—II. Amberley, *E.E.* V. Exceat, *E.E.*

C. *RUBRUM*, *L.* Red Goosefoot. A. 7-10.—Manure heaps and waste ground; not com. I. Up Marden, *Hb.* *T.* Hermitage, Westbourne, *A.* Sidlesham, *E.S.M.* Harting, *W.* III. Nr. Brighton, *M.* Saddlescombe, 1891, *T.H.* Shipley, *E.E.* IV. Berwick, *E.E.* V. Nr. Ratton. Nr. Crowhurst, *R.* VI. Guestling. Camber, *B.* Mayfield, *E.E.* VII. Nr. Tunbridge Wells, *E.J.*

Var. *PSEUDO-BOTRYOIDES*.—III. Bet. West Grinstead and Steyning, 1902. V. Nr. Cow Gap, Eastbourne, *R.* Exceat, 1900, *E.E.*

C. *BOTRYODES*, *Sm.* Clustered Red Goosefoot. A. 9.—Sandy sea coast; very rare. I. On saline mud, near the Golf Links, Clymping, new to Sussex, 1901, *E. S. Marshall.*

C. *GLAUCUM*, *L.* Oak-leaved Goosefoot. A. 9.—Dunghills; very rare. I. Farmyard, Graffham; new to Sussex, 1901, *E.S.M.* III. Fulking, 1904, *T.H.*

C. *BONUS-HENRICUS*, *L.* Mercury Goosefoot. Good King Henry. P. 5-8.—Roadsides; not uncom. Not reported from VI. I. Harting, *W.* E. Marden, *Hb.* *T.* Racton. Funtington. E. Lavant. Singleton. Prinsted, *A.* Arundel, *S.E.* II. Littlehampton. III. About Brighton, *M.* IV. Lewes, *U.* V. Nr. the Bridge, Pevensey, *R.* VII. Nr. Tunbridge Wells, *E.J.* Obs.—The young shoots peeled and boiled are like asparagus, and their leaves are like spinach, both in shape and taste.

ATRIPLEX LITTORALIS, *L.* Grass-leaved Orache. A. 7-9.—Seaside waste; com. along the coast.

Var. *MARINA*.—I. West Wittering, *A.* II. Ferring, *Hb.* *D.*

A. *ANGUSTIFOLIA*, *Sm.* Narrow-leaved Orache. A. 7-9.—Fields and waste ground; very com.

A. *ERECTA*, *Huds.* Erect Orache. A. 7-9.—Waste ground; not com. V. Holywell, on the Cliff. Brick field nr. Christchurch, *R.* VII. Nr. Tunbridge Wells, *Deakin.*

A. *DELTOIDEA*, *Bab.* Triangular-leaved Orache. A. 6-8.—Cult. and waste ground; very com.

A. *SMITHII*, *Syme.* Smith's Orache. A. 8-10.—Waste ground, roadsides, sea shores; rather com. I. Fishbourne, *A.* Bognor, *H.E.F.* Thorney. Bet. Fittleworth and Petworth, *E.S.M.* II. Littlehampton. III. Hove, Brighton, *Hb.* *B.* IV. Seaford. Bishopstone, *U.* V. Brick field nr. Christchurch, *R.* VI. Hastings, *O.*

A. *BABINGTONII*, *Woods.* Babington's Orache. A. 8-9.—Sea shores; not com. I. Nr. the mouth of the Ems, by Slipper Mill, *A.* Bognor, *H.E.F.* Shingles about Pagham, *E.S.M.* III. Brighton, *Hb.* *B.* Shoreham, 1899,

- T.H. V. Nr. Langley Fort, R. VI. Hastings beach,
beyond Marina, *De Crespiigny*.
- A. ROSEA, *L.* A. 7-9.—Seashores; rare. III. Southwick.
Copperas Gap, *Hon. J. L. Warren*.
- A. ARENARIA, *Woods.* Frosted Sea Orache. A. 8-9.—
Seashores; rare. I. Prinsted. Ichenor, sparingly. Pag-
ham, *A.* Climping Sands, *E.E.* III. Kingston, *Hb. B.*
Nr. Brighton, *M.* V. Shingles nr. Langley Fort, *R.*
VI. Camber, *B.*
- A. PORTULACOIDES, *L.* Sea Purslane. P. 8-10.—Salt
marshes and seaside waste; com.
- ### POLYGONACEÆ.
- RUMEX CONGLOMERATUS, *Murr.* Sharp Dock. P. 6-8.
—Roadsides and wet places; com.
- R. SANGUINEUS, *L.* Bloody-veined Dock. P. 6-8.—
Woods and roadsides.
- Var. *VIRIDIS*, with stems and veins of leaves greenish;
very com.
- Note.—Var. *GENUINUS*, with stems and veins of leaves
blood-red, has not been recorded in Sussex.
- R. MARITIMUS, *L.* Golden Dock. B. 7-8.—Marshy places
by the sea; rare. II. Patching Pond, *Bot. Sus.* III.
Heene, nr. Worthing, *Hon. J. L. Warren.* Beeding.
Henfield. Level nr. Brookside, *Hb. B.* IV. Lewes Level,
U. V. Pevensey Level, 1896, *T.H.* Westdean, nr. Sea-
ford, *Hb. Bor.*, 1855, refound in 1887 by *Mr. Roper*.
- R. PALUSTRIS, *Sm.!* Yellow Marsh Dock. B. 8-9.—Wet
places; rare. III. Henfield, nr. Brookside, *Bot. Sus.*
V. Edge of Charlston Pond, nr. Littlington, sparingly,
1888, *R.*
- R. PULCHER, *L.* Fiddle Dock. P. 7-9.—Waste places;
not uncom. I. Nr. Midhurst, *H.E.F.* By Racton Church.
Funtington. Westbourne. Lavant. W. Stoke. In and
around Chichester, freq. II. Frequent about Pulborough,
1899, *C.E.S.* III. Kemp Town, Brighton, *Hb. B.* Shore-
ham. Newtimber, *W.M.* V. Compton Place. Eastbourne.
Pevensey. Littlington, *R.* VI. Castle Rock, Hastings.
Winchelsea. Guestling, *B.*
- R. OBTUSIFOLIUS, *L.* Broad-leaved Dock. S. Celery-
seed. P. 7-9.—Fields and waste places; com.
- R. PRATENSIS, *M. and K.* Meadow Dock. P. 7-9.—
Roadsides and waste ground; rather com. eastward. II.
Amberley, by the Arun, *N.B.G.* III. Marshes of the
Adur, nr. Henfield, *N.B.G.* Hurstpierpoint, abund.,
W.M. IV. Lewes, *J.H.A.J.* V. Nr. Waterworks, East-
bourne, *R.* VI. Hastings. Guestling. Peasmash, *B.*
VII. Nr. Crowborough, *Bor.*

- R. CRISPUS, *L.* Curled Dock. P. 6-8.—Cult. and waste ground; very com.
- R. HYDROLAPATHUM, *Huds.* Great Water Dock. P. 7-8.—River banks and marshy places; com.
- R. MAXIMUS, *Schreb.* Schreber's Water Dock. P. 7-8.—River banks and ditches; rare. IV. Nr. Lewes, *Hb. Bor.* Re-discovered in 1873 by *Hon. J. L. Warren.* Nr. Alfriston, *J.H.A.J.* V. Bank of the Cuckmere, nr. Littlington, *R.*
- R. ACETOSA, *L.* Common Sorrel. P. 5-6.—Meadows and pastures; very com.
- R. ACETOSELLA, *L.* Sheep's Sorrel. P. 5-7.—Heaths and pastures; com.
- POLYGONUM CONVOLVULUS, *L.* Climbing Buckwheat. A. 7-9.—Cult. and waste ground; com.
Var. *PSEUDO-DUMETORUM*.—I. Oakwood, Funtington.
- P. DUMETORUM, *L.* Copse Buckwheat. A. 7-9.—Bushy places and hedges; very rare. I. Bet. Rogate and Midhurst, *Jenner, Phyt.* Hedge nr. Heyshott, *Rogers, sp.* IV. Lane from Uckfield to Hempstead Farm, *Hb. Bor.* Maresfield, *Hb. C.*
- P. AVICULARE, *L.* Common Knot-grass. A. 8-9.—Cult. and waste ground; very com.
Note.—All the vars. of this variable plant have been noticed in Sussex, but their distribution has been little recorded.
- P. RAI, *Bab.* Ray's Knot-grass. A. or B. 8-9.—Sandy seashores; rare. I. Clymping Sands, *E.S.M.* II. Littlehampton, *Hb. T.* III. Fishersgate, 1892, *T.H.* About Brighton, *M.* V. Bexhill, *H.* Camber Sands, *B.*
- P. MARITIMUM, *L.!* Sea Knot-grass. P. 8-9.—Sandy seashores; very rare. I. Bognor, *Prof. Balfour.*
- P. HYDROPIPER, *L.* Water Pepper. A. 8-9.—Wet places and ditches; com.
- P. MINUS, *Huds.* Small Persicaria. A. 8-9.—Moist heaths and wet places; rare. I. Midhurst Common, *A.* II. North Stoke, *E.S.M.* Amberley Wild Brooks, 1900, *T.H.* III. Henfield, *W.M.* V. Ditch at Berwick, by the Cuckmere, *E.E.*, 1889. VII. Nr. Tunbridge Wells, *E.J.*
- P. MACULATUM, *D. and T.* Glandular Persicaria. A. 7-9.—Waste ground; frequent. I. Ditch nr. Bosham Station, *A.* Aldingbourne, *C.E.S.* III. Broadmere Common, Henfield, 1904, *T.H.* IV. Pond bet. Streat and Plumpton, *T.H.* VII. Bewbush Mill Pond, 1902, *C.E.S.*
- P. PERSICARIA, *L.* Spotted Persicaria. S. Lovers' pride. A. 7-10.—Fields and damp places; com.
- P. LAPATHIFOLIUM, *L.* Pale flowered Persicaria. A. 7-9.—Waste ground and manure heaps; not uncom.

P. AMPHIBIUM, L. Amphibious Persicaria. P. 7-9.—
Ponds, ditches, and fields; com.
Var. **TERRESTRE**.—I. Appledram. Fishbourne, abund.
Funtington. VI. Guestling, *B.*

P. BISTORTA, L. Bistort. Snakeweed. P. 5-8.—Damp pastures; rare. I. Nr. Midhurst, *H.E.F.* Meadow nr. the Post Office, Graffham. Meadow nr. Fishbourne Mill, *E.S.M.* Downs Park, Harting, 1889, *Rev. H. D. Gordon*. II. Horsham, meadow on the road to Brighton, *G.B.H.* Crawley, *Bot. Sus.* Toate, nr. Fittleworth, *Miss M. Cooper*, 1889. III. Henfield. Newtimber, *W.M.* VI. Bayham, *E.J.* VII. Buckhurst Park, nr. Withyham, abund., *C.E.S.*

ELÆAGNACEÆ.

HIPPOPHAE RHAMNOIDES, L. Sea Buckthorn. Sh. 5-6.—Sandy seashores; very rare. VI. A large patch on Camber Sands, opposite Rye Harbour, *B.*

THYMELEACEÆ.

DAPHNE MEZEREUM, L. Mezereon. Sh. 3-4.—Dry hills and chalky woods; very rare, apparently wild. I. Great Bottom Wood and other places about Dale Park, sparingly, *E.S.* Bet. Slindon and Madehurst, *Hb. T.* Stag Park, Petworth. II. Clapham Woods, *W.H.B.F.*

D. LAUREOLA, L. Spurge Laurel. Sh. 1-4.—Woods and hedges; not com. except in the extreme W. of the county. I. Up Park, *W.* Along the E. shore of Chichester Harbour, com., *F.V.P.* Dale Park, *E.S.* Hedges bet. Westbourne and Racton. Stansted. Lordington Wood. Old Park, Bosham. Ashling Wood. Oakwood. Clay Lane, Fishbourne. Arundel Park. Nr. Lavington House. In the hangers about Sutton, Bignor, and Barlavington, *A. Preserves* nr. Spider Gallop, *E.H.D.* Nr. Tortington, *W.H.B.F.* II. Clapham Woods. High Down, *W.H.B.F.* III. Nr. Brighton, *M.* Nuthurst, *E.E.* IV. Plumpton and Firle, *E.E.* V. Church Road, Hurstmonceux. Road-side bet. Berwick Village and the Station, *R.*

SANTALACEÆ.

THESIUM HUMIFUSUM, D.C. Bastard Toad Flax. P. 6-8.—Chalky banks and open pastures; not com. I. Bow hill, *Hb. T.* Slopes nr. Swanbourne Lake, Arundel Park, plentifully, *W.H.B.F.* III. Nr. Portslade, on the hill towards the Devil's Dyke, *Bot. Sus.* Slope of the Down, bearing off road to Bramber, *O.* Pyecombe, *W.M.* Ovingdean, *Hb. B.* IV. On a hill by the roadside from Lewes to Falmer, *Bot. Sus.* By the Old London Road, Lewes. Nr. the Flood Barn, freq. Lewes Downs, on the S. declivity nr. Ashcombe, *U.* V. Downs above the Con-

valescent Home, Eastbourne. Beachy Head. Nr. Cow Gap, R.

EMPETRACEÆ.

EMPETRUM NIGRUM, *L.* Black Crowberry. Sh. 5-6.— Marshy places; very rare, perhaps extinct. II. St. Leonards Forest, *G.B.H.* Amberley Wild Brooks, formerly, *Bot. Sus.*; sp. thence, *Hb. T.* Newberry, on the Greatham side of the ditch which bounds the two parishes, but in very small quantities, *Bot. Sus.*

EUPHORBIACEÆ.

***BUXUS SEMPERVIRENS**, *L.* Common Box. Sh. 4-5.— Chalk hills, woods, &c.; com., probably always planted. I. Nr. Roche's Hill, Goodwood, very large. Lavington, abund. III. “Slopes nr. Steyning, apparently wild,” *O.* On the N. slope of Wolstanbury Beacon, in a wood, many trees from 8ft. to 12ft. in height, probably planted long ago, *W.B.G.*

Note.—“The largest box-hedge is at Petworth. It is supposed to be more than 12ft. at the bottom, 15ft. high, and 40yds. long,” *Mrs. Lankester.*

EUPHORBIA HELIOSCOPIA, *L.* Sun Spurge. S. Wart wort. A. 6-10.—Cult. and waste ground; com.

E. PLATYPHYLLOS, *L.* Broad-leaved Warted Spurge. A. 6-8.—Waste places; rare. I. Up Marden. E. Marden, *Hb. T.* Graffham, *E.S.M.* III. Nr. Henfield. Albourne, *Bor.* Poynings. Hurstpierpoint, *W.M.* IV. Cornfields nr. Lewes, rare, *U.* V. Nr. Polegate Station, *R.* Nr. East Dean, *E.E.* VI. Guestling. Ore, rare. Fairlight Glen, *B.* Fields nr. Cade Street, 1892, *C.E.S.* VII. About East Grinstead, not uncom., *Coleman.* Two places nr. Ifield, *E.E.*

E. PILOSA, *L.* Hairy Spurge. P. 5-6.—Shady places; rare. II. Slinfold, *Hb. Bor.* IV. Blackbrook Wood, discovered by Mr. J. Edwards and doubtless wild, *H.*

E. CORALLOIDES, *L.* Coral like Spurge. P. 5-6.— Hedges; rare. II. Slinfold. A sp. thence, in my herb. coll. by Borrer, is dated 1847.

E. AMYGDALOIDES, *L.* Wood Spurge. P. 4-6.—Woods; very com.

E. ESULA, *L.* Leafy branched Spurge. P. 7.—Shady woods; rare. II. Slinfold, *Hb. Bor.*

E. PARALIAS, *L.* Sea Spurge. P. 8-9.—Sandy shores; rare. I. Climping, 1900, *H.C.M.* III. Nr. Brighton, *M.* VI. Fairlight Glen, close to the sea, 1886, *B.*

Note.—Although this plant abounds in Hayland Island, I have not met with it in W. Sussex. Watson, however, *fide* Smith, records it thence.

- E. PEPLUS, L. Petty Spurge. A. 6-8.—Cult. ground; com.
- E. EXIGUA, L. Dwarf Spurge. A. 7.—Cornfields; com.
- *E. LATHYRIS, L. Caper Spurge. B. 6-7.—Cult. ground; casual. I. Up Marden, *Hb.* T. Pitlands, Stoughton, F.V.P. West Ashling. Westbourne. Hermitage, A. Arundel, S.E. II. Tarring, S.E. III. Worthing, W.H.B.F.
- MERCURIALIS PERENNIS, L. Dog's Mercury, S. Snake's-bit. P. 3-5.—Woods and copses; com.
- M. ANNUA, L. Annual Mercury. A. 7-11.—Gardens and waste ground; com.
- Var. AMBIGUA.—I. Nr. the Cattle Market, Chichester. Hermitage.
- ### CERATOPHYLLACEÆ.
- CERATOPHYLLUM DEMERSUM, L. Common Hornwort. P. 6-7.—Ponds and ditches; not uncom. Occurs in all the districts.
- C. SUBMERSUM, L. Unarmed Hornwort. P. 9.—Ponds and ditches; rare. I. By the roadside from Chichester to Selsey, *Dillenius*. Nr. Chichester, *Bor.* MSS. Nr. Bosham Church, 1880, A. Burton Ponds, W.J. V. Ditch by the Hastings road, Southbourne, *Hb.* *Bor.* Pond in a brickfield nr. Christchurch, abund., R. VI. Rye Harbour. Camber ditches, B.
- ### URTICACEÆ.
- PARIETARIA OFFICINALIS, L. Wall Pellitory. P. 6-9.—Old walls; not uncom. I. Harting, W. Old Lordington. Ruined garden wall of Racton House. Cowdray ruins. Chichester walls, abund. Arundel Castle, S.B. II. Amberley Church, F.V.P. III. Old Shoreham Church, *Hb.* B. Bramber, *Walpoole*, 1784. IV. Lewes, old walls about the Priory and elsewhere, U. Southover, *Hb.* B. V. Eastbourne, com., R. VI. Castle Hill, Hastings, O. Winchelsea. Guestling, B. VII. About Tunbridge Wells, E.J.
- URTICA DIOICA, L. Common Nettle. P. 7-8.—Waste ground; very com.
- U.URENS, L. Small Nettle. A. 6-9.—Roadsides; com.
- HUMULUS LUPULUS, L. Common Hop. P. 6-8.—Hedges and woods; com. Freq. on the skirts of old hop gardens.
- ULMUS SUBEROZA, Ehr. Common Elm. S. Ellem. Tr. 3-4.—Woods and hedge-rows; com.
- Note.—Very large on the richer soils, as in the Manhood.

U. MONTANA, *Sm.* Wych Elm. Tr. 3-4.—Woods and hedges; com.

Var. **VEGETA**.—Chichester Elm, is referred to this species by Selby.

Note.—*U. montana*, as underwood, is called in Sussex Wych Hazel.

AMENTIFERÆ.

QUERCUS ROBUR, *L.* Oak. Tr. 4-5.—Woods and hedges; com.

Var. **PEDUNCULATA**. Common Oak.—Occurs in all the districts.

Var. **SESSILIFLORA**. Durmast Oak.—Not com. I. Goodwood, not unfreq. Cowdray Park. II. St. Leonards Forest, *Borrer*. III. One tree nr. Cuckfield, *N.B.G.* IV. A tree below Newick, *N.B.G.* Plumpton, *E.E.* V. Nr. Hailsham, by the path to Magham Down, *R.* VI. Guestling, somewhat rare, *B.* VII. Withyham. Eridge, *E.J.*

Note.—The oak is the forest tree of the county, whence it provided many of “the wooden walls” of yore. It luxuriates on the Wealden clay. “Queen Elizabeth’s Oak,” in Cowdray Park, under which Her Majesty stood to shoot the deer with a crossbow, measures, at 4ft. from the ground, 36ft. in circumference. It is sound from bottom to top. The “Cecil Oak,” in the “Flat” of Petworth Park, which was planted at the beginning of the seventeenth century to commemorate the marriage of the tenth Earl of Northumberland with Lady Ann Cecil, is also a very fine tree.

***CASTANEA VULGARIS**, *Lam.* Sweet Chestnut. Tr. 5.—Woods and parks; com.

FAGUS SYLVATICA, *L.* Common Beech. Tr. 3-4.—Woods, chiefly on the chalk; com.

Note.—Johnson, 1633, says, “It groweth very plentifully in many Forrests and desert places of Sussex.” The Sussex hangers are chiefly composed of beech. Majestic trees occur at Harting, Slindon, and in the neighbourhood of Arundel.

CORYLUS AVELLANA, *L.* Hazel. Tr. 3-4.—Woods and hedges; com.

CARPINUS BETULUS, *L.* Hornbeam. Tr. 5-6.—Woods; not com. in W. Sussex. I. Harting, *H.D.G.* Midhurst, *H.E.F.* Stansted Woods, *A.* III. Hurstpierpoint, abund., *Bromfield*. Shipley, *E.E.* V. Abbot’s Wood, abund. Copse nr. the Links, Eastbourne, *R.* VI. Old Roar, Hastings. From Battle to Heathfield, very com. Guestling. Bodiam Castle, *B.*

ALNUS GLUTINOSA, *L.* Alder. Tr. 3.—Swamps and banks of streams; com.

BETULA ALBA, *L.* Common Birch. Tr. 4-5.—Woods and heaths; com.

Var. **VERRUCOSA**.—Not uncom. in several districts.

Var. **GLUTINOSA**.—The more common form.

MYRICA GALE, *L.* Bog Myrtle. Gale. *S.* Sweet Willow. Sh. 4.—Wet turf-y bogs; not com. I. Duncton Common, *A.* Lavington Common, *E.H.D.* Boggy ground, Coates, *Miss M. H. Arnold*. II. Amberley, *Clarkson*. III. Henfield, *W.M.* IV. Nr. E. Hoathly, *U.* V. Possingworth, nr. Cross-in-Hand. Hooe Common, *R.* VI. Waterdown Forest, *E.J.* Heathfield, *B.*

POPULUS ALBA, *L.* White Poplar. Tr. 3-4.—Woods and hedge-rows; com.

P. CANESCENS, *Sm.* Gray Poplar. Tr. 3-4.—Woods, &c.; not com., usually planted. I. Prinsted (planted). Cowdray Park, *A.* V. Nr. Hurstmonceux. Jevington, *R.* VII. Nr. Tunbridge Wells, *Forster*.

P. TREMULA, *L.* Aspen. Tr. 3-4.—Woods; not com. I. Nr. Midhurst, *H.E.F.* Lavington. Jays Furze, *E.S.M.* Harting, Down Park. Gunter's Copse, *W.* Oakwood. III. Nr. Brighton, *M.* IV. Nr. Lewes, *U.* V. Abbot's Wood, abund., *W.H.B.F.* VI. Dallington. Guestling, com., *B.* VII. About Tunbridge Wells, freq., *E.J.* Bet. Rusper and Ifield, *E.E.*

P. NIGRA, *L.* Black Poplar. Tr. 3-4.—Woods and roadsides; very com. Probably everywhere planted.

SALIX PENTANDRA, *L.* Bay-leaved Willow. Tr. 6-7.—Damp places; rare. III. Worthing, *Bot. Sus.* Albourne, *W.M.* Edburton, 1901, *T.H.* IV. Willow beds, Lewes, *Bot. Sus.*

S. FRAGILIS, *L.* Crack Willow. Tr. 5-6.—Wet meadows and osier beds; com.

Var. **DECIPiens**.—III. Nr. Brighton, *M.* IV. Moist hedges about Lewes, *Smith*. V. Nr. Waterworks, Eastbourne. Nr. Polegate, *R.*

S. VIRIDIS, *Fries.* Bedford Willow. Tr. 4-5.—Marshy woods; rare. III. Tongdean and Poynings, 1901, *T.H.*

Var. **RUSSELIANA**.—II. Nr. Burpham. V. Nr. Berwick, *Hon. J. L. Warren*.

S. ALBA, *L.* White Willow. Tr. 5.—Riversides and wet meadows; com.

Var. **CÆRULEA**.—I. Racton. V. Nr. Eastbourne, *R.*

Var. **VITELLINA**.—Rusper, *G.B.H.* III. Henfield, *Bor.* V. Nr. Tut Barn, Eastbourne, *R.*

S. UNDULATA, *Ehrh.* Sharp-stipuled Triandrous Willow. Tr. 5-6.—Osier grounds; not com. I. Westbourne, nr. the Ems. III. Newtimber, *N.B.G.* IV. Nr. Lewes, *Bor.*

- S. TRIANDRA, L. Almond-leaved Willow. Sh. 4-5.—Woods and marshy places; not uncom.
 Var. *CONTORTA*.—"Sussex cult.", *Hooker*. I. Stansted.
 Var. *HOFFMANNIANA*.—"Sides of streams in Sussex," *Bor.*
 I. Aldermere, Westbourne. III. Poynings, 1896, *T.H.*
 Var. *AMYGDALINA*.—I. Westbourne. III. Nr. Henfield,
Bor. IV. About Lewes in osier beds, *Smith*.
- S. PURPUREA, L. Purple Willow. Tr. 3-4.—River banks
 and marshes; rare. I. Rotherbridge, nr. Petworth. II.
 Burpham. III. Nr. Henfield, *Bor.* Side of Old Shoreham
 Bridge by the Lancing road, 1896, *T.H.*
 Var. *WOOLGARIANA*.—I. Arundel. IV. Osier holt about
 Lewes, *Smith*.
 Var. *LAMBERTIANA*.—IV. Lewes, *Bot. Sus.*
- S. RUBRA, *Huds.* Rose Willow. Tr. 3-4.—Riversides;
 rare.
 Var. *HELIX*.—I. Rotherbridge, nr. Petworth. III. Nr.
 Henfield, *Bor.*
- S. VIMINALIS, L. Common Osier. S. Withy. Sh. 4-5.—
 Sides of streams, wet meadows, and osier beds; com.
 Var. *INTRICATA*.—"Sussex cult.", *Bor.* V. Wartling
 Wood, *R.*
 Var. *SMITHIANA*.—IV. Fletching, *N.J.T.* VI. Bet. Fair-
 light and Pett, *Bot. Sus.*
 Var. *HOLOSERICEA*.—IV. About Lewes, *Smith*.
- S. FERRUGINEA, G. *Anders.* Ferruginous Osier. Sh. 4.
 —Sides of streams; not com. I. Nr. Petworth, by the
 Rother. II. Nuthurst, *G.B.H.*
- S. CINEREA, L. Common Sallow. Sh. 3-4.—Wet woods
 and hedge-rows; very com.
 Var. *AQUATICA*.—I. Aldermere, Westbourne. III. Chalk
 mounds, Pangdean, *T.H.* V. Levels nr. Tutbarn, East-
 bourne, *R.* VI. Nr. Hastings, *B.*
 Var. *OLEIFOLIA*.—I. Stansted. III. Poynings, *W.M.* VI.
 First glen E. of Hastings, *Bot. Sus.*
- S. AURITA, L. Round-eared Sallow. Sh. 4-5.—Damp
 heaths and woods; not uncom.
- S. CAPREA, L. Great Sallow. S. Palm. Tr. 3-4.—Woods
 and hedges; com.
- S. LAURINA, Sm. Intermediate Sallow. Sh. 4-5.—Woods
 and hedges; rare. VI. Nr. Bayham Abbey, *Forster*.
- S. AMBIGUA, *Ehrh.* Ambiguous Sallow. Sh. 4-5.—
 Heaths; rare. III. Plummer's Plain, *Hb. Bor.*
 Var. *SPATHULATA*.—II. Arun district, *H.*
- S. REPENS, L. Dwarf Willow. Sh. 3-4.—Heaths; com.
 Var. *ASCENDENS*.—Stansted Woods. VI. Waterdown
 Forest, *E.J.*

Var. ARGENTEA.—VI. Dallington, *B.*

Note.—The Sussex Willows were well examined by Borrer. After paying considerable attention to them, I can add little to the knowledge of their distribution.

CONIFERÆ.

PINUS SYLVESTRIS, *L.* Scotch Fir. Tr. 4-5.—Heaths and sandy ground; com.; a doubtful native. Extensively planted in the forests.

JUNIPERUS COMMUNIS, *L.* Common Juniper. Sh. 3-4.—Downs and woods; com. westward; but very rare E. of Brighton. I. Harting Down, freq., *W.* Walderton Down. Bow Hill. On both sides of Kingley Vale; stunted on the E. slope. Oakwood, nr. Chichester, unusually tall. Goodwood, *A.* Sutton and Bignor, abund., *H.S.* II. Salvington Down. Chanctonbury Ring, *W.H.B.F.* St. Leonards Forest, *G.B.H.* III. Cissbury Ring, *O.* V. Hills above Berwick. VII. Bet. Balcombe and Worth, *S.B.*

TAXUS BACCATA, *L.* Common Yew. Tr. 3-4.—Downs and woods; com. in W.R. district. I. Kingley Vale, abund. and apparently indigenous. Several trees measure 20ft. in circumference at 4ft. from the ground, 1886, *A.* Harting, abund. on the chalk and marl, *W.* Stoughton Down, some fine old trees, both isolated and in clumps. West side of Bow Hill, *A.* Barlavington Down, apparently indigenous, *H.S.* III. Cissbury Ring, scarce, *O.* VI. Dallington Forest, seemingly wild, *B.* VII. Many large trees nr. Balcombe, *S.B.*

MONOCOTYLEDONES.

TYPHACEÆ.

TYPHA LATIFOLIA, *L.* Common Cat's Tail. Reed Mace.
S. Pokers. P. 6-7.—Ponds and river sides; com.

T. ANGUSTIFOLIA, *L.* Lesser Cat's Tail. P. 6-7.—Ponds and pools; rather rare. I. Westbourne. Stansted Ponds, abund. Chichester Canal, A. Barnett's Mill, bet. Selham and Lavington. Pond by the railway, bet. Midhurst and Cocking, *E.S.M.* V. Polegate. Hailsham, *R.* St. Leonards, *O.* VI. Pett. Winchelsea, *B.* VII. Pond in Buckhurst Park, *Forster.* Pool N. of Fenland Ponds, E. Grinstead, *W.H.C.*

SPARGANIUM RAMOSUM, *Huds.* Branched Bur-reed. P. 6-7.—Rivers and ditches; com.

Var. **NEGLECTUM**.—I. Barnett's Mill. Bosham, *E.S.M.* V. Marsh ditch, nr. Rodmill, Eastbourne, *R.* Great Park Farm, Battle, 1895, *E. S. Salmon.* Berwick, *E.E.* Boggy hole bet. Warbleton Church and Horeham Road, 1892, *C.E.S.*

S. SIMPLEX, *Huds.* Unbranched Bur-reed. P. 7.—Ditches and shallow water; rather com. I. Harting, *W.* W. Ashling. Chichester Canal. Rotherbridge. II. Burpham. Nr. Chiltington. Amberley Wild Brooks, *E.S.M.* III. Nr. Henfield, *Bor.* IV. Lewes Levels, *U.* V. Nr. Waterworks, Eastbourne, *R.* Catsfield Green, 1895, *E. S. Salmon.* VI. Icklesham. Pett, *B.* VII. Nr. Tunbridge Wells, *E.J.*

ARACEÆ.

ACORUS CALAMUS, *L.* Sweet Flag. P. 6.—Ponds and river banks; rare. I. Pool on Duncton Common, *Hb.* T. Pond in Petworth Park, probably planted. VI. “A spike brought me from Pett Marshes,” *B.*

ARUM MACULATUM, *L.* Cuckoo-pint. *S.* Lords and Ladies. Schoolmaster. P. 4-6.—Woods and hedges; very com.

A. ITALICUM, *Mill.!* Italian Cuckoo-pint. P. 6-7.—Woods and bushy places; rare. III. “By the side of the road leading from Broadwater to Sompting, nr. the former village; also at Offington Lane,” *W. W. Saunders.*

LEMNACEÆ.

LEMNA TRISULCA, *L.* Ivy-leaved Duckweed. A. 6.—Clear pools and ditches; rather loc. I. Harting, *W.*

Racton, by Gounter's Pool. Aldsworth Ponds. Fishbourne. Pool by the Aldermere. Westbourne. Chidmire. Chidham. Sidlesham. II. Chiltington. Amberley, E.S.M. III. Henfield, Bor. IV. Nr. Lewes, Bor. V. Ditch by Pevensey road, Langley, R. VI. Guestling. Winchelsea, B. VII. Nr. Tunbridge Wells, E.J.

L. MINOR, L. Lesser Duckweed. A. 6-7.—Stagnant waters; com.

L. GIBBA, L. Gibbous Duckweed. A. 7-8.—Pools and ditches; not com. I. Lavant, F.V.P. Pool nr. Chichester. Sidlesham, E.S.M. II. Ditch nr. the Arun, Arundel, 1899, C.E.S. III. Henfield, Bor. IV. Nr. Lewes, Bor. Berwick, E.E. V. Ditch by the side of Pevensey road, Eastbourne, in flower, 1872, R. VI. Winchelsea. Camber, B. VII. About Tunbridge Wells, E.J.

Note.—Mr. Borrer is said to have been the first who noted the fructification of this species in England, at Lewes, June, 1804," Syme.

L. POLYRHIZA, L. Greater Duckweed. A.—(Flowers not known in Britain.) Ponds and ditches; rather rare. I. Midhurst, H.E.F. Graffham. Birdham, E.S.M. Bosham. Chichester Canal, A. II. Greatham, E.S.M. III. Henfield, Bor. IV. Berwick, E.E. V. Littlington. Wartling. Marsh nr. Pevensey, R. VI. Winchelsea. Pett. Guestling, B. VII. Nr. Tunbridge Wells, E.J.

WOLFFIA ARRHIZA, Wimm. Rootless Duckweed. A. 9.—Ditches; rare. II. Ditch a little west of North Stoke Church; an interesting addition to the Sussex list, 1901. Discovered by Messrs. Marshall and Salmon.

NAIADACEÆ.

POTAMOGETON NATANS, L. Floating Pondweed. P. 6-7.—Rivers and ponds; com.

P. POLYGONIFOLIUS, Pour. Oblong-leaved Pondweed. P. 6-7.—Ditches on heathy and boggy ground; rather com. I. Hunston, A. Mundham, Hb. C. Graffham. II. Nutbourne Peat Marsh, Pulborough, Hb. C. Amberley Wild Brooks, E.S.M. III. Henfield, Bab. IV. Chailey, 1894, H.H. V. High Wood, Bexhill, R. VI. Dallington Forest. Guestling. Pett, B. VII. Tilgate Forest. Ashdown Forest, abund., E.J.

P. PLANTAGINEUS, Du Croz. Plantain-leaved Pondweed. P. 6-7.—Ditches; very rare. V. Marsh below Tut Barn, Eastbourne, sp., R.

P. RUFESCENS, Schrad. Reddish Pondweed. P. 7.—Ditches; rare. I. Harting, W. II. Pool nr. the Arun, above North Stoke, E.S.M. III. W. Grinstead. Henfield, Hb. Bor. V. Marsh ditch by the road from Pevensey to Wartling, R. Berwick, E.E. VI. Guestling. Pett. Marsh nr. Icklesham, B.

- P. LUCENS, *L.* Great Pondweed. P. 6-7.—Rivers and ponds; not uncom. I. Burton Ponds. In the W. Rother nr. Coultershaw. II. In the Arun nr. Pulborough. III. Nr. Henfield, *Bor.* IV. Ditches towards Iford, *H.H.* V. Cuckmere River, nr. Berwick, *R.* VI. Bodiam, *R.* VII. Nr. Tunbridge Wells, *E.J.*
- P. PERFOLIATUS, *L.* Perfolate Pondweed. P. 6-7.—Rivers and ponds; rather rare. I. Harting, *W.* In the W. Rother nr. Rotherbridge. II. In the Arun below Pulborough, *E.S.M.* IV. Balcombe, *J.L.* Glynde, *E.E.* In River Ouse, Lewes to Hamsey, 1892, *H.H.* VI. Bodiam. Robertsbridge, *B.* VII. Nr. Tunbridge Wells, *E.J.*
- P. CRISPUS, *L.* Curled Pondweed. Frog's Lettuce. P. 6-7.—Pools and ditches; com.
- P. DENSUS, *L.* Close-leaved Pondweed. P. 6-7.—Ponds, ditches, and streams; rare eastward. I. W. R. district, com. In the Ems nr. Westbourne. Aldsworth. Ditch nr. Gosden Green. Racton, by Gounter's Pool. W. Ashling. Fishbourne. Nr. Bosham Station. Mid-Lavant, *A.* II. Burpham. Amberley. IV. Berwick, and pond on Downs above Street, *E.E.* V. Pond nr. Eastdean, rare, *R.* VII. Nr. Tunbridge Wells, *E.J.*
- P. ACUTIFOLIUS, *Link.* Sharp-leaved Pondweed. P. 6-7.—Ditches; rare. IV. Ditch, Iford, 1899, *T.H.* V. Marsh ditch bet. Pevensey and Bexhill, *R.*
- P. OBTUSIFOLIUS, *M. and K.* Grass-leaved Pondweed. P. 6-7.—Pools and ditches; very rare. III. Cowfold. Shermanbury, *Bot. Sus.* V. Ditch bet. Hailsham and Magham Down. Nr. Berwick, *R.*
- P. COMPRESSUS, *L.* Flat-stemmed Pondweed. P. 6-7.—Ponds and ditches; rare. II. Amberley, *Bot. Sus.* In the Canal a little S. of Billingshurst, *W.H.B.* Littlehampton, *Hb. C.* III. Henfield, *Bor.* IV. Lewes, *Bot. Sus.* Ditch, Iford, 1897, *T.H.* VI. Bet. Rye Harbour and Camber Castle, 1900, *C.E.S.*
- P. PUSILLUS, *L.* Small Pondweed. P. 6-7.—Ponds; rather com. I. Aldsworth Ponds. Westbourne Mill Pond, abund. Gosden Green, Hermitage. II. Amberley Wild Brooks, 1899, *C.E.S.* III. Worthing, *U.* IV. Lewes Levels. Newhaven, *U.* V. Eastbourne. Bexhill, *R.* VI. Camber. Pett. Fairlight, *B.* VII. About Tunbridge Wells, *E.J.*
- P. RUTILUS, *Wolfg.* Ruddy Pondweed. P. 7.—Pools; rare. VI. Rye, 1898, *T.H.* See Journ. Bot. 1900, p. 65.
- P. PECTINATUS, *L.* Fennel-leaved Pondweed. P. 6-7.—Rivers, streams, and brackish pools; not com. I. Bosham, *Hb. C.* Fishbourne, shallow pool opposite Appledram Sluice, *A.* III. Old Shoreham, *O.* V. Stream nr. Langley.

Ditch at Charleston, nr. Littlington, *R.* VI. Camber.
Pett, B.

Var. *FLABELLATUS*.—I. In the Rother from Selham to Fittleworth, *E.S.M.* II. In the Arun, nr. Pulborough, *A.* III. Henfield Level, *Warren*. In the Adur below W. Grinstead, *W.H.B.* IV. Nr. Iford, 1893, *H.H.* V. Ditch, Littlington, 1900, *T.H.*

ZANNICHELLIA PALUSTRIS, *L.* Common Horned Pondweed. P. 5-8.—Ponds and ditches; com.

Var. *PEDICILLATA*.—Brackish water. I. Thorney. Fishbourne. Ditch nr. Clymping, *E.S.M.* II. Ditch nr. Arundel, *C.E.S.* V. Pevensey Bay, *A.* *R.* Waller. Ditch at Charleston, nr. Westdean, *R.* VI. Rye Harbour, *B.*

RUPPIA SPIRALIS, *Hartm.* Greater Ruppia. P. 7-8.—Brackish pools and ditches; not uncom. all along the coast. I. Thorney. Bosham. Fishbourne. II. Littlehampton. III. Shoreham. Brighton, *M.* IV. Newhaven, *U.* V. Nr. Red House, Pevensey. Eastbourne, *R.* VI. Pett, *B.*

R. ROSTELLATA, *Koch.* Lesser Ruppia. P. 7.—Brackish pools and ditches; not uncom. I. Dell Quay, *Hb.* *C.* Prinsted. Salt pools, Pagham and Thorney, *E.S.M.* V. Bulverhythe, *R.* VI. Flats nr. Hastings, *De Crespigny.* Pett, *B.*

ZOSTERA MARINA, *L.* Common Grasswrack. P. 7-8.—Inlets of the sea and mouths of rivers; com.

Var. *ANGUSTIFOLIA*.—I. Sussex, nr. Emsworth, *Bor.* Bet. Prinsted and Chidham, *A.* Thorney, *E.S.M.* V. Pool on shingles, Eastbourne, *R.*

Z. NANA, *Roth.* Dwarf Grasswrack. P. 7-8.—Shores of creeks; rare. I. Thorney. Nr. Fishbourne Tide Mill, abund. Appledram. Hermitage, *A.* Bosham. Pagham, *E.S.M.*

ALISMACEÆ.

TRIGLOCHIN PALUSTRE, *L.* Marsh Arrow grass. P. 7-8.—Bogs and wet meadows; not uncom. I. Hunston Common. Graffham. Pagham, *E.S.M.* Aldermere. Westbourne. Hermitage, nr. Lumley Mill, *A.* Swanbourne Lake, Arundel, *A.* III. Saddlescombe, *M.R.* IV. Nr. Lewes, *U.* V. Nr. Sherman's Bridge, Berwick. Bulverhythe. Crumbles, nr. Langley, *R.* VI. Guestling. Camber, *B.* VII. About Tunbridge Wells, *E.J.*

T. MARITIMUM, *L.* Seaside Arrow grass. P. 7-8.—Salt marshes and seaside waste; com.

SAGITTARIA SAGITTIFOLIA, *L.* Common Arrowhead. P. 7-8.—Pools and ditches; com.

ALISMA PLANTAGO, *L.* Great Water Plantain. P. 7-8.—Ponds and ditches; com.

Var. *LANCEOLATUM*.—I. Birdham and Earnley. Nr. Sidlesham, *E.S.M.*

A. *RANUNCULOIDES*, *L.* Lesser Water Plantain. P. 6-8.
—Ditches; not com. I. Chichester Canal. Hunston.
Mundham. II. Rackham, 1889, *A.* III. Lancing, *Bot. Sus.*
IV. Little Horsted, *S.E.* Plumpton, *E.E.* Lewes
Levels, 1900, *C.E.S.* V. Marsh below Tut Barn. Pevensey
Levels, *R.* VII. Nr. Tunbridge Wells, freq., *E.J.* Hedge
Court Pond, nr. E. Grinstead, *W.H.C.*

ACTINOCARPUS DAMASONIUM, *Br.* Star-fruit. P. 6-7.
—Gravelly ditches and pools; rare. I. Chidmere. Chid-
ham, abund., 1889, *A.* III. Henfield, *Bot. Sus.* Joulsfield
Common, W. Grinstead, *Hb. Bor.* Pits on St. John's
Common, *Bor.*, *Botanists' Guide*, Turner and Dillwyn,
1805. IV. Chailey Common, *N.J.T.* Nr. Plumpton, *E.E.*
VI. Waterdown Forest, *Forster.* VII. Ashdown Forest,
N.B.G. Pond nr. the Turnpike gate bet. Horsted Keynes
and the Sheffield Arms, about three miles from Wych
Cross, *E.J.* Hedge Court Pond, nr. E. Grinstead, *W.H.C.*

BUTOMUS UMBELLATUS, *L.* Flowering Rush. P. 6-7.—
Rivers and ditches; not com. I. Coultershaw, *A.* In the
Rother nr. Stopham Bridge, *Miss M. Cooper.* Alding-
bourne Rife, *E.N.D.* Arundel, *Miss M. H. Arnold.* II.
Fittleworth. Pulborough, *A.* Burpham, *H.S.* Amberley
Wild Brooks, 1902, *Mr. B. Reynolds.* Houghton Bridge,
in the Arun, *Hb. C.* Nr. Billingshurst Station, *W.J.*
III. W. Grinstead, *G.B.H.* Shoreham, *O.* IV. In the
Ouse nr. Skaynes, *Rev. T. E. Crallan.* Fletching Mill,
M.D. Lewes Levels, *U.* V. Cuckmere, nr. Berwick and
Excet. Bet. Pevensey and Bexhill, *R.* VI. Guestling.
Peasmarsh, *B.*

HYDROCHARIDACEÆ.

HYDROCHARIS MORSUS-RANÆ, *L.* Frog's-bit. P. 7-8.
—Pools and ditches; not com. I. Nr. Felpham. Rife bet.
Slindon and Arundel, *R.W.B.* II. Nr. Burpham, by the
Arun. Chiltington Common. III. Bet. Shoreham and
Bramber. IV. Lewes Levels. V. Nr. Waterworks, East-
bourne. Pevensey. Nr. Horse Eye, Cuckmere. Nr.
Berwick, *R.* Ditches about Combe Haven. 1895, *E. S.*
Salmon. VI. Guestling. Winchelsea. Pett, *B.*

**ELODIA CANADENSIS*, *Mich.* Water Thyme. P. 7-8.—
Ditches, pools, rivers; com. I. Bosham. In the W. Rother
nr. Coultershaw, 1876. II. Bet. Arundel and Burpham,
choking the ditches, 1878. Pulborough, abund. III. Nr.
Henfield, *Bor.* V. Bet. Sidley Green and Crowhurst, *R.*
IV. About Lewes, abund., *H.H.* VI. Battle, *J.H.A.J.*
Dallington, *B.*

Note.—Unknown in Great Britain before 1842. Now
recorded from fifty counties or upwards.

ORCHIDACEÆ.

ACERAS ANTHROPOPHORA, *Br.* Green Man Orchis. P. 6.—Downs and dry chalky places; very rare. I. In a grassfield to the west of the lawn, on the N. side of Westergate House (formerly), *Dr. N. Tyacke*. II. Nr. Horsham, *G.B.H.* III. Stanmer. Danny Park, *M.* Nr. Hurstpierpoint, rare, *W.M.* IV. Wood nr. Offham, *M.* Nr. Chailey, 1863, *J. Edwards*.

ORCHIS PYRAMIDALIS, *L.* Pyramidal Orchis. P. 6-7.—Downs and pastures; com. on the chalk. I. Harting. Adsdean. Hounsome's Plantation, Funtington. Halnaker Down. Slindon. Barlavington Hanger. Graffham, *E.S.M.* Goodwood, nr. the Racecourse, *A.* II. Billingshurst, *S.E.* Goring, *O.* III. Nr. Bramber, *A.* Broadwater, *O.* Pyecombe, *Hb. Bor.* Nr. Brighton, *M.* IV. Slope nr. Offham chalk pit, com., *U.* V. Old Town Fields. Folkington. Ratton. Willington, *R.*

O. USTULATA, *L.* Dwarf Dark-winged Orchis. P. 6.—Downs; not com. I. Harting, 1889, *H. D. Gordon*. III. Portslade. Piecombe, *M.* Nr. Saddlescombe, rare, *M.R.* Newtimber, *W.M.* IV. Cliffe Hill, nr. Lewes, not uncom., *U.* V. Bet. Beachy Head and Eastdean. Cow Gap. Downs above Meads, abund., *R.*

O. PURPUREA, *Huds.* (*O. Fusca*)! Great Brown-winged Orchis. P. 6.—Chalky hills; very rare. W. Sussex, *Sm. Cat.* I. Skirts of a wood at Earham, 1905, spec. sent to me, *Mr. J. Stallard*; one example only found after diligent search; this is now in my herbarium. II. Woods nr. High Down Hill, Durrington, *Mr. S. Evershed*.

O. MORIO, *L.* Green-winged Orchis. Fool's Orchis. *S.* Ram's-horns. P. 6-7.—Damp meadows and pastures; com.

O. MASCULA, *L.* Early Purple Orchis. *S.* Long-purples. Dead men's fingers. P. 6-7.—Woods and meadows; very com.

O. INCARNATA, *L.* Marsh Orchis. P. 6.—Peat bogs and wet meadows; not uncom. westward. Not reported from VI. I. Racton, by the Ems. Aldsworth, with purple, rose, and straw yellow flowers. Aldermere, Westbourne. W. Ashling. Fishbourne, *A.* West Harting, *H.D.G.* III. Hurstpierpoint, *W.M.* V. Nr. Tut Barn, Eastbourne, *R.*

HYBRID, *O. INCARNATA-MACULATA*.—I. Nr. Aldsworth Ponds. (Bracts and spur of *O. incarnata*, solid stem and spotted leaves of *O. maculata*.)

O. LATIFOLIA, *L.* Broad-leaved Marsh Orchis. P. 5-6.—Marshes and damp meadows; not uncom. Not reported from VI. I. Nr. Petworth. II. Amberley, on the bank of the Arun, *Walpole*. III. Saddlescombe, *M.R.* IV. Lewes Levels nr. Iford, *U.* Nr. Sheffield Mill, *M.R.D.* V. Nr.

- Hailsham, *R.* VII. Nr. Tunbridge Wells, not uncom., *E.J.*
- O. MACULATA, *L.* Spotted Palmate Orchis. P. 6-7.— Woods, heaths, pastures; com.
Var. ERICETORUM, *Linton*.—I. Swamp south of Graffham, *E.S.M.*
- GYMNADENIA CONOPSEA, *Br.* Fragrant Orchis. P. 6-7.—Downs and chalky pasures; also in boggy ground; not uncom. I. Harting, *W.* Bow Hill. Racton. Ads-dean. Funtington, Down's Farm. Westbourne, in the Aldermere, abund., *A.* Field nr. Aldingbourne Vicarage, *E.H.D.* Wood north of Dale Park, 1903, *H.C.M.*; also the white variety. II. Storrington. Bet. Amberley Mount and Camp Hill, 1899, *C.E.S.* III. Downs nr. Brighton, com., *M.* IV. Nr. Lewes, abund., *U.* V. Downs above Paradise, Eastbourne. Folkington. Eastdean, *R.* VI. Guestling, very loc., *B.* VII. Common in the Forests, *E.J.*
- HABENARIA VIRIDIS, *Br.* Frog Orchis. P. 6-7.—Downs, also in damp meadows, where it flowers much earlier; not com. I. West Harting Down. Walderton Down. Bow Hill. Roche's Hill. Goodwood Racecourse. Hunston. Fishbourne Church Field. Graffham Down, *E.S.M.* II. Downs nr. Burpham, *H.S.* III. Downs nr. Worthing, *O.* Downs nr. Brighton, *M.* Ovingdean, *Hb.* B. Saddlescombe, *M.R.* IV. Oxstedde bottom, on Cliffe Hill, Lewes, *U.* V. Cow Gap. Bet. Bell Tout and Beachy Head, *R.* VI. Fairlight, *B.*
- H. BIFOLIA, *Br.* Lesser Butterfly Orchis. P. 6-7.— Woods, heaths, and boggy places; rather com. I. Colworth Woods. Chilgrove, *A.* William Wood, Stoughton, *H.H.* Ichenor, *A.F.* II. Billingshurst, *S.E.* IV. Laughton Woods, *Miss Hall*. V. Nr. Ashburnham. Catsfield Green. Warbleton, *R.* VI. Heathfield, *R.* Guestling. Old Roar. Fairlight, *B.* VII. E. Grinstead, *W.H.C.* Ashdown Forest, *E.J.* Tilgate Forest, *J.L.*
- H. CHLORANTHA, *Br.* Great Butterfly Orchis. P. 5-6.— Woods and copses; not uncom. I. Harting. Stoughton. Stansted. Goodwood. Woolavington, *A.* Fairmile Bottom, Eartham. Foot of Long Down, *E.H.D.* Barlavington, *H.S.* II. St. Leonards Forest, *Hb.* Bor. Billingshurst, *S.E.* III. Nr. Saddlescombe, *M.R.* Ditchling, *R.* IV. Searle's Wood, Fletching, *M.D.* Laughton Woods, *Miss Hall*. V. W. of Heathfield Park, *R.* VI. Guestling, *B.* Obs.—In this species the anther cells are divergent at the base; in the former they are parallel.
- H. ALBIDA, *Br.*! Small White Orchis. P. 6-8.—Hilly pastures; rare. IV. Ashdown Forest, nr. Nutley, discovered by J. Woods, 1839, refound by J. Edwards, 1874, *H.*
- HERMINIUM MONORCHIS, *Br.* Green Musk Orchis. P. 6-7.—Slopes of the Downs; rare. I. Harting, in the Park

and two other locs. on the chalk, *W.* Barlavington Hanger, *A.* Downs above Sutton, *E.S.M.* Cocking, *A.* Duncton Hill, *Hb. C.* II. Parham, *Bot. Sus.* III. Foot of Chanctonbury Ring, *Hb. Bor.* N. slope of the Downs above Westmeston Church, *M.R.* Nr. Ditchling, *W.M.* Edburton Downs, *T.H.* IV. Vinegar Bottom, nr. Lewes, *Bot. Sus.*

OOPHRYNS APIFERA, Huds. Bee Orchis. P. 6-7.—Downs and pastures on the chalk, also in low grounds; not uncom. I. Harting, *W.* Bow Hill. Colworth. Hunston. Banks of Chichester Canal, *A.* Northlands, Chichester, *Hb. C.* Halnaker. Aldingbourne, *E.H.D.* Dale Park, *E.S.* Arundel Park, *S.E.* Sutton, *H.S.* Graffham, *E.S.M.* Thorney, 1903, *E. H. Plumpton.* II. St. Leonards Forest, *G.B.H.* Highly Down. Salvinton Down *W.H.B.F.* III. Foot of Woolstanbury Hill, *Mr. H. Knight.* Broadwater. Slopes of the Dyke, Brighton, *O.* Saddlescombe. Nr. Steyning, *M.R.* IV. Cliffe Hill, Lewes. Nr. Plumpton Plain, *U.* Firle. Glynde, *Hb. B.* V. Folkington. Beachy Head, *R.* VI. Battle, rare, *B.*

O. ARANIFERA, Huds.! Early Spider Orchis. P. 6-7.—Chalky pastures; rare. III. About Piccombe, *M.* Foot of Wolstanbury Hill, *Mr. H. Knight.* Nr. Saddlescombe, *M.R.* IV. Downs nr. Baldsdean and Telscombe, 1900, *T.H.*

Var. **FUCIFERA.**—IV. Nr. Lewes, sp. *Mr. G. M. Merricks.* V. Eastdean, and Birling Gap, *Hb. Bor.* Cow Gap. Grassy banks bet. the Cornfields and Eastbourne, *R.*

O. MUSCIFERA, Huds. Fly Orchis. P. 6-7.—Downs and chalky pastures; rather rare.—I. Harting, in the Warren and the Forty Acres Lane, *W.* Bow Hill, *J. Barton.* Westdean, abund., *F.V.P.* Racton. Colworth, Sotcher's Bottom. Kingley Vale, *A.* Singleton. Red Copse, Halnaker. Fairmile Bottom, *E.H.D.* Dale Park, *E.S.* Arundel Park, *S.E.* Sutton. Bignor, Lamb Hanger. Coldharbour, *H.S.* II. St. Leonards Forest, *G.B.H.* Patching and Castle Goring Woods, Warter. III. Downs nr. Worthing, *W.H.B.F.* Skirts of the Downs near Brighton, *M.* Saddlescombe, *M.R.* IV. N. slope of the Downs opposite Offham. Nr. the Vinegar Copse, Glynde, *U.* V. Jevington. Wilmington. Folkington, *R.*

SPIRANTHES AUTUMNALIS, Rich. Fragrant Lady's Tresses. P. 8-9.—Downs, commons, and pastures; not uncom. I. Up Park. Harting Down, *W.* Racton. Aldsworth Common. Oak Wood. Roche's Hill. Petworth Park, *A.* Aldingbourne. Long Down, *E.H.D.* Bognor, *W.H.B.F.* Sutton, *H.S.* II. St. Leonards Forest, *G.B.H.* III. Downs nr. Worthing, *W.H.B.F.* Race Hill, Brighton, *Hb. B.* Hassocks Gate, *M.* IV. Cliffe Hill, beyond Oxstedde Bottom, *U.* V. Links. Cow Gap. Ratton. Bexhill Common, *R.* VI. Guestling. Fairlight, *B.* VII. Withyham, not com. in the Weald, *E.J.*

- LISTERA OVATA, Br.** Common Tway-blade. P. 5-6.—
Woods, copses, shady places; com.
- NEOTTIA NIDUS-AVIS, Rich.** Bird's-nest Orchis. P. 6-7.
Shady woods and beech hangers; not uncom. westward.
I. Harting, the Warren, the Hanger, St. Richard's Hill,
W. Stoughton. Colworth. Goodwood. Sutton, Farm
Hill. Woolavington, A. Barlavington Hanger, H.S.
Heyshott. Graffham, E.S.M. II. St. Leonards Forest,
G.B.H. III. Newtimber, Bot. Sus. Henfield, Bor.
Danny, M. Saddlescombe, M.R. IV. Newick. Nutley,
M.R.D. Nr. Fletching, N.J.T. V. Ratton Woods, rare,
R. VI. Guestling, rare, B. VII. Nr. Tunbridge Wells,
E.J.
- EPIPACTIS LATIFOLIA, Sm.** Broad-leaved Helleborine.
P. 7-8.—Woods; rather com. Found sparingly in all the
districts. I. Slopes of the Leith, Harting, W. N. Marden,
Phillis Wood, Hb. T. Racton. Adsdean. Goodwood.
Sutton, Bignor and Barlavington Hangers, A. Westdean,
F.V.P. Graffham, E.S.M. II. Hackett's Copse, E. of
Houghton Bridge, Hb. C. Nr. Rusper, G.B.H. Wis-
borough Green, Mrs. Luxford. III. Foot of the Downs
nr. Brighton. Danny, M. IV. Searle's Wood, Fletching,
M.R.D. V. Wartling Wood. Hellingly, R. VI. Battle,
J.H.A.J. Guestling. Fairlight, B. VII. Tilgate Forest,
J.L.
- E. MEDIA, Fries.** Narrow-leaved Helleborine. P. 7-8.—
Woods; rare. I. Harting, 1886, sp., Rev. H. D. Gordon.
IV. Bank below copse on road to station, Horsted Keynes,
W.W.
- E. VIOLACEA, D. Dug.** Violet Helleborine. P. 8-9.—
Outskirts of woods; rare. I. Stansted Woods, Rev. J. C.
Parson, 1884, rather plentiful, 1885, A. VII. Woods
below Crawley, Luxford.
- E. PALUSTRIS, Crantz.** Marsh Helleborine. P. 7-8.—
Damp meadows; rare. I. Funtington, Hb. T.; not found
recently. Nr. Hunston, sparingly, 1885. Aldermere,
Westbourne, 1886, abund., A. II. Chiltington, Bot. Sus.
III. Nr. Poynings, M.R. V. Bexhill, 1897, W. R. Hay-
ward.
- CEPHALANTHERA ENSIFOLIA, Rich.** Narrow-leaved
White Helleborine. P. 6.—Woods; very rare. I. Good-
wood Park and a copse in the vicinity, A. III. Sparingly
in a wood in Stanmer Park, 1891, T.H. IV. Wood on the
Downs nr. Lewes, J.H.A.J.
- C. GRANDIFLORA, Bab.** Large White Helleborine. S.
Egg Orchis. P. 6.—Woods, chiefly on the chalk; not
uncom. westward. I. Nr. Forest Side, Rev. J. C. Parson.
Harting. Adsdean. Goodwood. Colworth. Westdean.
Slindon, A. Dale Park, E.S. Nr. Arundel, Hb. C.
Downs nr. Sutton and Bignor, H.S. Graffham. Laving-
ton, E.S.M. II. St. Leonards Forest, G.B.H. III.

Danny. Woods nr. Clayton, *M.* Ditchling, *O.* IV.
Newick, *Rev. T. E. Crallan.* V. Paradise Wood. Ratton,
R.

MALAXIS PALUDOSA, *Sw.* Bog Orchis. P. 8-9.—Spongy bogs, on sphagnum; rare. Dunton Common, 1853, *A.* II. Chiltington Common, *E.J.* St. Leonards Forest, *W.B.H.* VI. Bog nr. the Windmill in Frant Forest, found there by *Ray*, circ. 1680; re-discovered by *J. Sharp, Esq.*, 1844. VII. Prestbridge Warren, nr. Wych Cross, 1841, *E.J.* Bog nr. Kidbrook Park, Ashdown Forest, 1877, sp. *Miss A. Wallis.* Bog nr. Hartfield, 1895, *E. S. Salmon.*

IRIDACEÆ.

IRIS FOETIDISSIMA, *L.* Foetid Iris. Roast-beef Plant. P. 6-7.—Woods, hedgebanks, and borders of fields; not com. I. Nr. Midhurst, *H.E.F.* Aldsworth, *Hb.* C. Nr. Mount Noddy, W. Ashling, *W.J.* Lavington Park, *J. A. Blagden.* Wood above Barlavington, *E.S.M.* Nr. Thorney Church, *A.* II. Amberley, *Bot. Sus.* III. Bramber Castle, *W.H.B.F.* Poynings. Hurstpierpoint, very scarce, *W.M.* IV. Plumpton and Berwick, *E.E.* V. Bulverhythe, *R.* VI. Fairlight Cliffs and Undercliff, *B.* Head of Fairlight Glen, *O.* VII. About Tunbridge Wells, *E.J.*

I. PSEUDACORUS, *L.* Yellow Iris. Water Flag. P. 5-6.—Ponds, rivers, marshy meadows; very com.

AMARYLLIDACEÆ.

NARCISSUS PSEUDO-NARCISSUS, *L.* Daffodil. Lent Lily. P. 3-4.—Woods and meadows; not com. I. Stoughton. E. Marden, *Hb.* T. Westdean Woods. Nr. Sindal's, Westbourne. Hook's, Bosham. Funtington. Hunston. Coates. Hillyer's Petworth, *A.* Graffham. II. Meadows nr. Horsham, abund., *G.B.H.* Billingshurst, *E.S.M.* Goring and Findon, *S.B.* III. Meadow nr. Billingshurst and copses at Shipley, *C.E.S.* IV. Shortbridge nr. Fletching, *S.E.* V. Nr. Carter's Corner. Wood nr. Bexhill, *R.* VI. Copse nr. Hastings. Guestling, introd., *B.* VII. Nr. Tunbridge Wells, freq., *E.J.* Nr. E. Grinstead, *W.H.C.*

N. BIFLORUS, *Curtis.* Pale two-flowered Narcissus. P. 3-4.—Woods and fields; rare. I. Halnaker Park, *E.H.D.* II. Forest meadows nr. Horsham, *G.B.H.* III. Field nr. Cowfold, far from any house, and several other spots in the county; certainly wild, *Bot. Sus.* V. Willingdon Woods, *R.* VII. In the Park, and elsewhere at Saint Hill, E. Grinstead, *W.H.C.* Ifield, *E.E.*

LEUCOJUM ÆSTIVUM, *L.* Summer Snowflake. P. 5.—Wet meadows; rare. IV. Uckfield, *S.E.*

GALANTHUS NIVALIS, *L.* Snowdrop. Meadows and banks; naturalized in many places. I. Westbourne, copse

nr. the Rectory. Copse nr. Bignor Park. Frith Wood, Northchapel. Byworth, *A.* Stream side nr. Graffham, *E.S.M.* Valdoe Copse, *J.G.H.* Sherwood, nr. Arundel, *S.E.* II. St. Leonards Forest, *G.B.H.* IV. Nr. Lewes, *Hb. D.* V. Nr. Wilmington, probably escaped from the Priory, *R.*

DIOSCOREACEÆ.

TAMUS COMMUNIS, L. Black Bryony. P. 5-7.—Woods and hedges; com.

TRILLIACEÆ.

PARIS QUADRIFOLIA, L. Herb Paris. True love. One-berry. P. 5-6.—Woods and copses; very rare. I. Marden. Treyford, *H.* Harting, 1886, sp., *H.D.G.* Hunston Wood, nr. Chichester, abund., 1881, *Mr. G. Jeffery*; 1892, *A.*

LILIACEÆ.

POLYGONATUM MULTIFLORUM, All. Common Solomon's Seal. P. 6-7.—Woods and copses; not uncom. westward. I. Up Park, *W.* E. Marden, *Hb.* T. Stansted Woods, nr. Aldsworth, *Hb.* C. Ashling Wood, *A.* Drove, *F.V.P.* Aldingbourne, *E.H.D.* Graffham, *N.B.G.* Wood nr. Heyshott, *Rev. E. O. Edgell.* Lordington Wood. Wood by the Aldermere, Westbourne, *A.* Singleton, *Bot. Sus.* IV. Nr. Tanyard Farm, Danehill, *M.D.* VI. Guestling Wood, *B.*

CONVALLARIA MAJALIS, L.! Lily of the Valley. P. 5-6.—Woods; rare westward. II. St. Leonards Forest, large beds, *G.B.H.* IV. Sheffield Park, *M.D.* V. Abbot's Wood, Eastbourne, *J.H.A.J.* VI. Plashet Wood, Battle, *J.H.A.J.* VII. Nr. E. Grinstead, *Mrs. Turner.* W. Hoathly, *Hanson.* In the Forests nr. Wych Cross, *E.J.*

ASPARAGUS OFFICINALIS, L. Asparagus. P. 6-8.—Shingles; rare. III. Bet. Shoreham and the sea, *O.* V. Shingles, Eastbourne, *R.*

RUSCUS ACULEATUS, L. Butcher's Broom. S. Knee Holm. Sh. 3-4.—Woods and hedges; com.

FRITILLARIA MELEAGRIS, L.! Common Fritillary. P. 5-6.—Damp meadows; very rare. III. Hurstpierpoint, meadow N. of the Church, *Bot. Sus.*, not found recently. IV. Plantation nr. Ringmer Green, 1854, loc. now destroyed, *U.* V. Woods at Ratton nr. Willingdon, escape? *R.*

TULIPA SYLVESTRIS, L. Wild Tulip. P. 4-5.—Orchards and pastures; very rare. I. Lurgashall, 1870, sp. *G. Arnold.*

COLCHICUM AUTUMNALE, L. Meadow Saffron. P. 9-10.—Damp meadows; rare. II. Storrington, *Hb. Bor.*, since lost.

GAGEA LUTEA, *Ker.*! Yellow Gagea. P. 3-4.—Copses; very rare. "Sussex," *Watson, Top. Bot.*

ORNITHOGALUM NUTANS, *L.* Drooping Star of Bethlehem. P. 4-5.—Fields and orchards; rare. II. Amberley, *Hb. T.* III. and IV. Naturalized here and there, *H.*

O. UMBELLATUM, *L.* Common Star of Bethlehem. P. 5-6.—Woods and meadows; rare, occ. naturalized. I. Slindon, Dane's Wood, far from any dwelling, *Bot. Sus.* Nr. Old Lordington House, abund. Valdoe Copse, *A.* Westdean Wood, escape? *F.V.P.* Aldingbourne, nr. Chichester Road, *E.H.D.* IV. Lewes, nr. St. Anne's Church, escape, *Bot. Sus.*

O. PYRENAICUM, *L.* Spiked Star of Bethlehem. P. 6-7.—Meadows; rare. I. Fishbourne Church Field; long known there, and elsewhere at Fishbourne, 1893, *J. W. Parrington.*

SCILLA NUTANS, *Sm.* Wild Hyacinth, *S.* Blue Bell. P. 5-6.—Woods, copses, hedge banks; very com.

ALLIUM VINEALE, *L.* Crow Garlick. P. 6-7.—Meadows and waste ground nr. the sea; not uncom. westwards. I. Appledram Common. Fishbourne. Bank bet. Prinsted and Thorney. II. Littlehampton, *W.H.B.F.* III. Shingle beach, Shoreham, *O.* Aldrington, *M.* IV. Plumpton and near Berwick, *E.E.* VI. Edge of field above Cave's Hill, Hastings, *O.* Ore, *B.*

A. OLERACEUM, *L.* Field Garlick. P. 6-7.—Borders of fields; very rare.

Var. **COMPLANATUM**.—I. Bank nr. the Church, Funtington, 1876, *A.* III. Hurstpierpoint, probably planted by Borrer, *W.M.*

A. URSINUM, *L.* Broad-leaved Garlick. Ramsons. P. 5-6.—Woods and hedge banks; not uncom. I. Harting, *W.* Westbourne, Elbridge Hill, Foxbury. Racton, Packhorse Lane, nr. the Tower. Funtington, Watery Lane. Coates. Sutton. Nr. Aldsworth, *A.* Hill Grove, Northchapel, *Miss M. Cooper.* Selham. Cocking. Heyshott and Graffham, *E.S.M.* Boxgrove, *E.H.D.* II. Billingshurst, *S.E.* III. Henfield, *Rev. A. K. Nairne.* IV. Buxted, *S.E.* Nr. Lewes, *U.* V. Jevington Holt. Bet. Bexhill and Ninfield, *R.* VI. Guestling. Nr. Hastings. Pett, *B.* VII. About Tunbridge Wells, *E.J.* Plentiful nr. Three Bridges, *C.E.S.*

NARTHECIUM OSSIFRAGUM, *Huds.* Lancashire Asphodel. P. 7-8.—Bogs and wet heaths; not uncom. I. Midhurst Common. Dunton Common, *A.* Lavington Common, *E.H.D.* Sutton Marshes, *H.S.* II. Amberley, *S.E.* Chiltington, *A.* III. Henfield, *Bor.* IV. Chailey Common, *U.* V. Field E. of Kemp's Wood, Little Markly. Bog S. of Heathfield Chapel. Nr. Cross-in-Hand. High Wood, Bexhill, *R.* VI. Guestling. Dallington, *B.* VII. Tilgate Forest, *Hanson.* Ashdown Forest, *M.R.D.*

JUNCACEÆ.

LUZULA FORSTERI, DC. Narrow-leaved Hairy Wood Rush. P. 5-6.—Woods and hedge banks; not uncom. I. Midhurst. Graffham. Nr. Arundel, *Bot. Sus.* Lurgashall, *Bor.* Lavington. Petworth. Lodsworth, E.S.M. Northlands, Chichester, *Hb. C.* Stansted. Westbourne, Foxbury. Racton, A. II. St. Leonards Forest, G.B.H. III. Wiston. Henfield, *Bor.* IV. Roadsides bet. Haywards Heath and Scaynes Hill, 1900, T.H. V. Carter's Corner. Abbot's Wood. Hellingly, R. VII. Withyham, *Bot. Sus.* Nr. Balcombe, J.L. About E. Grinstead, com., W.H.C.

L. PILOSA, Willd. Broad-leaved Hairy Wood Rush. P. 5-6.—Woods and hedge banks; com.

L. SYLVATICA, Bich. Great Wood Rush. P. 5-7.—Woods and heaths; rare westward. I. Midhurst, *Hb. T.* Copse and railway banks east of Petworth Station, in plenty, E.S.M. Embankment bet. Hermitage and Thorney, 1887; probably introd., A. III. Nr. Brighton, M. IV. Sheffield Forest, N.J.T. V. Abbot's Wood, R. VI. Guestling. Pett; loc. com., B., VII. About Tunbridge Wells, E.J. Nr. Balcombe, J.L.

L. CAMPESTRIS, DC. Field Wood Rush. P. 5-6.—Downs and pastures; com.

L. MULTIFLORA, Lej. Many-headed Wood Rush. P. 5-6.—Woods and heaths; com.

Var. **CONGESTA**.—I. Northlands, Chichester *Hb. C.* Oakwood. Nr. Aldsworth. Coates. IV. Nr. E. Hoathly, U. VI. Hastings. Guestling, B. VII. Tilgate Forest, J.L. E. Grinstead, W.H.C.

JUNCUS ACUTUS, L. Great Sea Rush. P. 7-8.—Damp hollows, in sandy places by the sea; very rare. I. "In a bog at Emsworth, nr. a timber yard," *Borrer*. I have sps. thence coll. by H. Collins, Esq., 1846. This bog, just within the Sussex boundary, is now converted into a pond, and I have searched the vicinity for this fine plant in vain.

Note.—As it has been found recently (1886), by W. H. B. Fletcher, Esq., in Hayling Island, its re-discovery in this county may be hoped for.

J. MARITIMUS, Sm. Lesser Sea Rush. P. 7-8.—Salt marshes; not com. I. Thorney. Nutbourne. Nr. Fishbourne Mill. Ichenor. III. Shoreham, M. V. Bulverhythe, R. St. Leonards, O.

J. CONGLOMERATUS, L. Common Rush. P. 6-7.—Wet places; very com.

J. EFFUSUS, L. Soft Rush. P. 7-8.—Damp places; very com.

J. GLAUCUS, Sibth. Hard Rush. P. 7-8.—Damp places; roadsides; com.

- J. OBTUSIFLORUS, *Ehrh.* Blunt-flowered Rush. P. 7-9.— Marshes; not com. I. Fishbourne Marshes. III. Nr. Henfield, *Bor.* V. Tut Barn, Eastbourne, *R.* VII. Nr. Tunbridge Wells, *E.J.*
- J. ACUTIFLORUS, *Ehrh.* Sharp-flowered Rush. P. 7-8.— Wet meadows and bogs; very com.
- J. LAMPROCARPUS, *Ehrh.* Shining-fruited Rush. P. 7-8.— Wet places; com.
- J. SUPINUS, *Moench.* Lesser Jointed Rush. P. 7-8.— Margins of pools, wet heaths and bogs; com.
Var. *SUBVERTICILLATUS*.—Not uncom., often viviparous.
- J. BUFONIUS, *L.* Toad Rush. A. 7-8.—Damp places; com.
- J. GERARDI, *Lois.* Mud Rush. P. 7-8.—Seaside waste; com.
- J. COMPRESSUS, *Jacq.* Round-fruited Rush. P. 6-8.— Marshy places; rare. I. Selsey. V. Nr. Pevensey. Shingles, Eastbourne, *R.*
- J. SQUARROSUS, *L.* Heath Rush. Goose Corn. P. 6-7.— Wet heaths, especially on sandy soil; not com. I. Midhurst Common. Duncton Common. Coates. II. Chiltington Common. III. Henfield, *Bor.* VI. Nr. Cross-in-Hand, *E.E.* VII. Ashdown Forest, *W.H.C.*

CYPERACEÆ.

RHYNCOСПORA ALBA, *Vahl.* White Beak Rush. P. 6-7.— Bogs and heaths; not uncom. I. Midhurst Common. Graffham Common. II. St. Leonards Forest, *G.B.H.* Bogs about Washington, *Bot. Sus.* Amberley Wild Brooks, *Bot. Sus.* III. Henfield, *Bor.* IV. Chailey Common, *U.* Nr. Maresfield, *E.J.* VI. Waterdown Forest, *Forster.* Nr. Forest Row, *E.J.* VII. Ashdown Forest. Tilgate Forest, *Hb. Bor.*

BLYSMUS COMPRESSUS, *Panz.* Broad-leaved Blysmus. P. 6-7.— Marshy places; rare. I. Nr. Fishbourne Mill, 1880. Marsh nr. Aldsworth, 1887, *A.* III. Adur district, *M.* IV. Kingston, by Lewes, 1900, *C.E.S.*

SCIRPUS ACICULARIS, *L.* Slender Club Rush. P. 7-8.— Damp places; not com. II. St. Leonards Forest, *G.B.H.* By the Mill Pond, Slaugham, *Luxford.* Storrington Common, *Bot. Sus.* Ditch, Amberley Wild Brooks, *E.S.M.* III. Henfield, *Bor.* IV. Blackland, Maresfield, *Hb. C.* VI. Waterdown Forest, *Forster.* Dallington, *B.* VII. Tilgate Forest, *J.L.* Nr. Tunbridge Wells, *R.D.*

S. PALUSTRIS, *L.* Marsh Club Rush. P. 6.—Sides of ponds and wet places; com.

S. UNIGLUMIS, *Link.* Link's Club Rush. P. 6-7.— Marshes nr. the sea; rare. Mr. Beeby informs me that

- the entry "W. Sussex" in *Top. Bot.* is an error. V. Eastbourne, Crumbles, *R.*
- S. **MULTICAULIS**, *Sm.* Many-stemmed Club Rush. P. 7.—Tufty bogs; not com. I. Nr. Midhurst, *H.E.F.* II. Chiltington. III. Nr. Henfield, *Bor.* IV. Lewes Levels, *Bromfield.* Chailey Bog, *E.E.* V. High Wood, Bexhill, *R.* VI. Guestling, *B.* VII. Ashdown Forest. Above the pond, Horsted Keynes, *W.H.C.* Starvemouse Plain, *Hanson.*
- S. **PAUCIFLORUS**, *Lightf.* Chocolate-headed Club Rush. P. 7-8.—Wet heaths; not com. III. Henfield Common, *W.H.B.* VII. On the Forests, here and there, *E.J.*
- S. **CÆSPITOSUS**, *L.* Scaly-stemmed Club Rush. P. 6-7.—Barren heaths; rather com. I. Midhurst Common, Dunton Common. III. Nr. Henfield, *Bor.* IV. Chailey, *U.* V. High Wood, Bexhill, *R.* VII. On the Forests, very com., *E.J.*
- S. **FLUITANS**, *L.* Floating Club Rush. P. 6-7.—Ponds and ditches; not com. II. Nr. Pulborough. Chiltington. III. Henfield, *Bor.* IV. Nr. Lewes, *U.* Nr. Plumpton, *E.E.* V. Stream at Milton Hyde, rare, *R.* VI. Pett, *B.* VII. Bogs on Ashdown Forest, *W.H.C.* Tilgate Forest, 1844, *Herb. R. Pryor.*
- S. **SETACEUS**, *L.* Bristle-like Club Rush. A. or P. 7.—Damp, sandy, and gravelly places; rather com. I. Northlands, Chichester, *Hb. C.* Ditch nr. Lumley. Dunton Common, *A.* III. Henfield, *Bor.* V. Roadside nr. Turkey Wood, Bexhill, *R.* VI. Guestling. Fairlight. Westfield, *B.* VII. Nr. Three Bridges, *J.L.* On the Forests, *E.J.* Furnace Bridge.
- S. **LACUSTRIS**, *L.* Common Bull Rush. P. 6-7.—Rivers and ponds; com.
- S. **TABERNÆMONTANI**, *Gmel.* Glaucous Bull Rush. P. 6-7.—Mud banks of rivers and brackish marshes; not com. I. Mouth of the Ems, nr. Hermitage. Mouth of the Lavant, Appledram. Marsh by Fishbourne Mill. III. Shoreham, *Bor.* IV. By the Ouse, *W.H.C.* V. Bet. Pevensey and Wartling. Nr. Bexhill Station. Bulverhythe, *R.* VI. Winchelsea. Pett. Peasmash, *B.*
- S. **CARINATUS**, *Sm.* Blunt-edged Bull Rush. P. 8.—Banks of tidal rivers; very rare. I. and II. By Houghton Bridge, *Hb. C.* Both sides of the Arun from Amberley and Houghton to Arundel, *A.*
- S. **TRIQUETER**, *L.* Triangular Bull Rush. P. 8.—Muddy banks of rivers; very rare. II. Nr. Amberley, *Hb. B.* Stoke, by the Arun, *G. J. Davies.*
- S. **MARITIMUS**, *L.* Sea Club Rush. P. 7.—Salt marshes; com. all along the coast.
- S. **SYLVATICUS**, *L.* Wood Club Rush. P. 7.—Low wet places by rivers and streams; not com. I. Coultershaw.

Westerland, nr. Petworth. Heath Mill, Pulborough, *Mrs. Albery*. Rusper, *E.E.* III. Henfield, *Bor.* V. Hurstmonceux. Banks of the Cuckmere, nr. Berwick, *R.* About Battle, Catsfield, and Crowhurst, 1895, *E. S. Salmon*. Great Tanner's Farm, nr. Horeham Road, 1892. *VI.* Guestling. Fairlight. Ore, *B.* VII. Brambletye, *W.H.C.* About Tunbridge Wells, *E.J.* Cut and Lie Wood, Felbridge, 1896.

ERIOPHORUM VAGINATUM, *L.* Hare's-tail Cotton Grass. P. 3-5.—Turfy bogs; rare. I. Harting, *W.* Dunton Common, *Hb.* T. Boggy ground nr. Coates Castle, *Miss M. Cooper*. Heyshott Common, 1886, *Rev. J. W. Parrington*. II. Amberley Wild Brooks, *Clarkson*. III. Broadwater Green (formerly), *U.* IV. Chailey Common, *U.* VI. Waterdown Forest, *R.D.*

E. ANGUSTIFOLIUM, *Roth.* Common Cotton Grass. P. 5-6.—Bogs; com. Found in all the districts.

CAREX DIOICA, *L.* Creeping Dioecious Sedge. P. 5-6.—Bogs and wet heaths; very rare. II. Greatham. Rackham, *Hb.* *Bor.* Amberley Wild Brooks, *Borrer*; *Botanists' Guide, Turner and Dillwyn*, 1805. VI. Peat bogs on Waterdown Forest, *Forster*.

C. PULICARIS, *L.* Flea Sedge. P. 5-6.—Bogs, marshes, and wet pastures; not uncom. I. Harting, Downparks, *H.D.G.* Aldermere, Westbourne. Oakwood. Nr. Hunston, A. Northlands, *Hb.* C. Graffham Common. Midhurst Common, *E.S.M.* II. Amberley Wild Brooks, *Clarkson*. III. Henfield, *Bor.* IV. Chailey Common, *U.* Berwick Common, *E.E.* V. High Wood, Bexhill, *R.* VI. Guestling, *B.* VII. Ashdown Forest, *E.J.*

C. DIVISA, *Huds.* Bracteated Marsh Sedge. P. 5-7.—Pastures nr. the coast; not uncom. westward. I. Pagham, *Bot. Sus.* Hermitage, nr. the sea. Prinsted. Bosham. Fishbourne. Appledram Common, *A.* Meadows on the E. side of Bognor, *Hb.* C. III. Shoreham Marshes, *Hb.* *Bor.* IV. Newhaven, towards the harbour's mouth, *Bot. Sus.* V. Nr. Waterworks, Eastbourne, *R.* VI. Winchelsea Marshes, *B.*

C. DISTICHA, *Huds.* Soft Brown Sedge. P. 6-7.—Marshy Meadows; rather rare. I. Fishbourne, marsh nr. Waterworks. Appledram Common. II. Nr. Houghton Bridge, *Hb.* C. III. Henfield, *Bor.* IV. Bet. Lewes and Kingston, *C.E.S.* V. Nr. Langley. By Tut Barn. Ratton Decoy, *R.*

C. ARENARIA, *L.* Sea Sedge. P. 6-7.—Sandy shores and occasionally inland; not uncom. in all the maritime districts.

C. TERETIUSCULA, *Good.* Lesser Paniced Sedge. P. 6-7.—Boggy places; very rare. II. Amberley Wild Brooks, *Hb.* *Bor.* Nr. Heath Mill Pond, Pulborough, *Malleson*.

- C. PANICULATA, *L.* Greater Paniced Sedge. P. 6-7.—Wet woods and swampy places; not uncom., found in all the districts.
- C. VULPINA, *L.* Great Sedge. P. 6-7.—Ditches; com.
- C. MURICATA, *L.* Greater Prickly Sedge. P. 6-7.—Woods and roadsides; com.
- C. DIVULSA, *Good.* Grey Sedge. P. 5-6.—Hedgebanks; com.
- C. STELLULATA, *Good.* Little Prickly Sedge. P. 5-6.—Bogs and wet meadows; rather com. I. Harting, Down-parks, *H.D.G.* Westbourne, Aldermere. Graffham Common. Midhurst Common, *A.* II. Chiltington Common. III. Ditchling, *H.* IV. Chailey Common, *U.* V. Creep-wood, Ashburnham, rare, *R.* VI. Guestling, com., *B.* VII. Ashdown Forest, *E.J.* Tilgate Forest, *J.L.*
- C. REMOTA, *L.* Distant-spiked Sedge. P. 5-6.—Damp woods and ditch sides; very com.
- C. AXILLARIS, *Good.* Axillary Sedge. P. 5-6.—Wet hedge banks and ditches; rare. I. By the road from Fishbourne to Clay Lane, growing with *C. remota*, 1879, *A.* Aldwick. Earnley, *E.S.M.* Lane nr. Birdham, *T.H.* Nr. Runcton, *Bor.* III. Hurstpierpoint, *Hb.* *C.*, sp. from *Bor.*, 1847. VI. Mayfield, *E.E.* VII. Hazleden, E. Grinstead, *W.H.C.*
- C. BOENNINGHAUSENIANA, *Weih.*! Boenninghausen's Sedge. P. 6.—Damp places; rare. II. By Heath Mill Pond. Pulborough, *Bor.* V. Nr. Pevensey Station, *R.*
- C. ELONGATA, *L.* Elongated Sedge. P. 6-7.—Marshy places; very rare. II. Canal a little N. of Billingshurst, *W.H.B.* III. Henfield, *Hb.* *B.*
- C. CURTA, *Good.* White Sedge. P. 6-7.—Bogs; rare. II. Isemonger's Gill. St. Leonards Forest, *G.B.H.* Bogs W. of Rackham, *Bot. Sus.* III. Nr. Henfield, *Bor.* IV. Nr. E. Hoathly. Nr. Offham. Chailey Common, *U.* VI. Woods nr. Frant, *Forster.* Mayfield, *E.E.* VII. Tilgate Forest, *Bot. Sus.* Nr. Saint Hill, E. Grinstead. Wood bet. Ridge Hill Farm and the first below Tickeridge, *W.H.C.*
- C. OVALIS, *Good.* Oval-spiked Sedge. P. 6-7.—Woods and roadsides; com.
- C. STRICTA, *Good.* Tufted Sedge. P. 5-6.—Marshes; very rare. III. Meadow at Stare Bridge, Hurstpierpoint, *Bot. Sus.* By the Adur, bet. W. Grinstead and Henfield, nearly opposite Partridge Green, *W.H.B.*
- C. ACUTA, *L.* Slender-spiked Sedge. P. 6-8.—Sides of streams and ditches; rather rare. I. Rotherbridge, *A.* Old Park. Lavington. Selham. Fittleworth. II. Pallingham Quay, *Hb.* *T.* Ferring, *Hb.* *D.* Bet. Pulborough and Amberley, *E.S.M.* III. Keymer, *H.* IV. Nr. Lewes, *U.* V. Side of Railway nr. Polegate, *R.* VI. Peasmarsh.

- Guestling. Dallington, *B.* Ifield Road, 1891, *C.E.S.*
 VII. Nr. Tunbridge Wells, *E.J.*
- C. VULGARIS, *Fries.* Common Sedge. P. 5-6.—Bogs and wet meadows; not uncom. I. Fishbourne. Westbourne, Aldermere. Coates. II. Chiltington Common, *A.* III. Henfield, *Bor.* IV. Banks of the Ouse, *U.* V. Nr. Langley, *R.* Bexhill, *B.* VI. Guestling, *B.* VII. Nr. Tunbridge Wells, *E.J.*
- C. GLAUCA, *Scop.* Glaucous Heath Sedge. P. 6-7.—Heaths, pastures, and roadsides; very com.
- C. MONTANA, *L.* Mountain Sedge. P. 5-6—Heathy fields and woods; very rare. IV. In two places on Chailey Common, 1896, *T.H.* V. Heathfield, *E.J.* VII. In a field towards Eridge about a mile S. of Tunbridge Wells, discovered by Mr. W. Mitten, 1842, *Phyt.* Crowborough, *W.W. Reeves.*
- C. PILULIFERA, *L.* Round-headed Sedge. P. 6-7.—Boggy ground and wet heaths; com.
- C. PRÆCOX, *Jacq.* Vernal Sedge. P. 4-5.—Dry heaths and barren pastures; com.
- C. PALLESSENS, *L.* Pale Sedge. P. 6-7.—Woods and heaths; rather rare. I. Oakwood, nr. Chichester. Nr. Aldsworth Common. III. Henfield, *Bor.* IV. Woods nr. E. Hoathly, *U.* V. Abbot's Wood. Park Wood, nr. Hellingly, *R.* VI. Waterdown Forest, *E.J.* St. Helen's Wood, *O.* Guestling, *B.* VII. Nr. Tunbridge Wells, *E.J.* Cow Wood, Handcross, 1898, *C.E.S.* Cut and Lie Wood, Felbridge, 1896. Bet. Faygate and Bewbush, 1898, *C.E.S.*
- C. PANICEA, *L.* Pink-leaved Sedge. S. Carnation Grass. P. 6-7.—Bogs and wet pastures; com.
- C. PENDULA, *Huds.* Great Pendulous Sedge. P. 5-6.—Moist woods and ditch sides; not com. I. Ditch by Appledram Common. Fishbourne. Wood nr. Burton Mill. Sutton. Dunton. Barlavington. Graffham. Bignor. II. Slinfold, *Bot. Sus.* West of Horsham, *E.S.M.* Washington, *W.H.B.F.* III. Wiston. Ashington. Steyning, *Bot. Sus.* Bramber, *W.H.B.F.* Hurstpierpoint, *W.M.* V. Wannock Glen, *R.* About Battle and Catsfield, 1895, *E. S. Salmon.* VI. Fairlight Glen, *B.* VII. Nr. E. Grinstead, *W.H.C.* Nr. Tunbridge Wells, *E.J.*
- C. STRIGOSA, *Huds.* Loose-spiked Wood Sedge. P. 5-6.—Damp woods and lanes; rare. I. Sutton, 1860. Jays Furze, Lavington, *C.E.S.* II. By the roadside bet. Horsham and Capel, *G.B.H.* III. Little Park, Hurstpierpoint, *Hb. Bor.* V. Wannock Glen, *R.* Plentiful in a wood adjoining "The Slumblets," Great Park Farm, Battle, 1895, *E. S. Salmon.* VI. Ticehurst, *J. Woods.* Ore, *Mr. R. Paulson.* VII. Chiddingly Wood, above the pond. Brooks at Mill Place. Lane bet. Hollybush and Walesbeech, Pit in Rocking Hill Wood, E. Grinstead, *W.H.C.*

- C. SYLVATICA, *Huds.* Pendulous Wood Sedge. P. 5-6.—Woods, copses, banks; very com.
- C. LÆVIGATA, *Sm.* Smooth-stalked Sedge. P. 6-7.—Woods and thickets; not com. I. Cowdray Park, *Bot. Sus.* Swamp, south of Graffham Common, *E.S.M.* II. Rundhurst, under Blackdown, *Bot. Sus.* Horsham, *E.E.* III. Henfield, *Bor.* IV. Nr. Alciston, *E.E.* V. Boggy places in Creep Wood, Ashburnham. Wartling Wood, nr. Hurstmonceux. High Wood, nr. Rushlake Green, *R.* VI. Dallington Forest, nr. Westfield. Guestling, *B.* VII. Woods nr. Tunbridge Wells, freq., *E.J.* VII. Wood nr. Sainthill, East Grinstead, 1892, *C.E.S.*
- C. BINERVIS, *L.* Green-ribbed Sedge. P. 5-6.—Heaths, moors, woods; not com. I. Nr. Midhurst, *H.E.F.* Northlands, *Hb.* C. Oakwood, nr. Chichester. Stansted Woods. Dunton Common. Coates Common. Graffham Common, *E.S.M.* III. Henfield, *Bor.* V. High Wood, Bexhill. Scrip Wood, nr. Cowbeach. Park Wood, nr. Carter's Corner, *R.* VI. Guestling. Pett, *B.* VII. On the Forests, abund., *E.J.*
- C. DISTANS, *L.* Distant-spiked Sedge. P. 6-7.—Salt marshes, also occas. inland; not uncom. I. Bognor, *Hb.* C. Banks of the Ems, nr. Lumley. Prinsted. Aldermere, Westbourne. Fishbourne Marshes. Nr. Bognor, A. Pagham. Sidlesham. Selsey, *E.S.M.* II. Littlehampton. III. Nr. Brighton, *M.* IV. Nr. Newhaven, *W.H.C.* V. Shingles nr. Langley. Banks of Cuckmere, nr. Exctet, *R.* VI. St. Helens, *O.* Pett. Camber, *B.*
- C. FULVA, *Good.* Tawny Sedge. P. 6-7.—Boggy places; not com. III. Boggy meadow at West-town, Hurstpierpoint, *Bot. Sus.* Poynings, *W.M.*
- C. EXTENSA, *Good.* Long-bracteated Sedge. P. 6-7.—Salt marshes; not com. I. Fishbourne Marshes, opposite Appledram, sparingly. Selsey, marsh nr. the Old Church, A. Pagham, *E.S.M.* IV. Mouth of the Ouse, *U.* VI. W. of Hastings, *Hb.* *Bor.*; not found recently, *B.* Pett, *B.*, in litt. to Hemsley, 1877.
- C. FLAVA, *L.* Yellow Sedge. P. 5-6.—Heaths, woods, and wet meadows; common westward. I. Funtington, *Hb.* T. Stansted Woods. Westbourne, Aldermere. Oakwood. Midhurst Common. Dunton Common. Harting, A. II. Chiltington, A. Nutbourne, Pulborough, *Malleson.* III. Haywards Heath, *Hb.* B. Henfield, *Bor.* VI. St. Helen's Wood, *O.* Fairlight. Guestling, *B.* VII. Ashdown Forest, *E.J.* Tilgate Forest, *J.L.*
Var. *LEPIDOCARPA.*—V. Backington Wood, Heathfield. Bet. Bexhill Church and Bulverhythe, *R.*
- C. ÆDERI, *Ehrh.* Æder's Sedge. P. 6-7.—Margins of pools, marshes; not com. I. Prime's Marsh nr. Chichester, *Hb.* C. Lavington. Graffham, *E.S.M.* II. Nr. Heath

- Mill, Pulborough, *Bor.* III. Hurstpierpoint, *W.M.* VII.
Ashdown Forest, *E.J.* Bogs nr. E. Grinstead, *W.H.C.*
- C. HIRTA, *L.* Hairy Sedge. P. 5-6.—Wet meadows; com.
- C. PSEUDO-CYPERUS, *L.* Cyperus-like Sedge. P. 6-7.—River sides, ditches, marshy places; not uncom. I. Hunston, in the bed of the disused Canal. Ditches bet. Old Fishbourne and Bosham. Rotherbridge, nr. Petworth, A. Duncton Common, *Hb. T.* Barnett's Mill, *E.S.M.* II. Amberley Wild Brooks, *Hb. C.* Nr. Pulborough, *Malleson.* III. Old Shoreham, *O.* Hurstpierpoint. Albourne, *W.M.* V. Pond bet. Hailsham and Hempstead. Nr. Crowhurst, *R.* VI. Bodiam. Guestling. Winchelsea. Pett, *B.* VII. About Tunbridge Wells, *E.J.* Bet. Burses and the brook, E. Grinstead. Pit bet. Mill Place and W. Hoathly, *W.H.C.*
- C. PALUDOSA, *Good.* Lesser Pond Sedge. P. 5-6.—Sides of streams and ponds; not com. eastward. I. Funtington, *Hb. T.* Racton. Westbourne, by the Ems. By the W. Rother, nr. Petworth, A. Burton Ponds, *E.S.M.* II. By the Arun nr. Arundel. III. Poynings, *Hb. B.* IV. Banks of the Ouse, *U.* V. Pond nr. Mitchelham Priory, rare, *R.* VI. Rye, *Andrews.* VII. Nr. Tunbridge Wells, *E.J.*
Var. KOCHIANA.—II. Littlehampton, *M.* III. Worthing, *O.*
- C. RIPARIA, *Curt.* Great Pond Sedge. P. 5-6.—River sides and marshy places; com.
- C. AMPULLACEA, *Good.* Bottle Sedge. P. 5-6.—Pools, marshes, banks of rivers; not com. I. Nr. Midhurst, *H.E.F.* Harting. Swanbourne Lake, Arundel, A. Duncton Common, *Hb. T.* Burton Ponds, *E.S.M.* II. Nutbourne, Pulborough, *Malleson.* Amberley Wild Brooks, 1899, *C.E.S.* III. Henfield, *Bor.* IV. Lewes Levels. Chailey Common, *U.* V. Farthing Ponds, Battle, 1895, *E. S. Salmon.* VII. Tilgate Forest, *Bot. Sus.*
- C. VESICARIA, *L.* Bladder Sedge. P. 5-6.—Bogs, pools, banks of rivers; rather rare. I. Pond, Bignor Park. Selham. Fittleworth, *E.S.M.* II. Chiltington Common, A. Amberley Wild Brooks, 1899, *C.E.S.* III. Henfield, *Bor.* Shipley, *E.E.* IV. Lewes Levels, *U.* V. Banks of the Cuckmere, nr. Berwick. Horsebridge, *R.* VI. Robertsbridge, *B.* Mayfield, *E.E.* VII. Tilgate Forest, *J.L.* Nr. E. Grinstead, *W.H.C.* Cut and Lie Wood, Felbridge, 1896. Nr. Bewbush Mill Pond, 1898, *C.E.S.*

GRAMINEÆ.

- LEERSIA ORYZOIDES, *Swartz.* European Cut Grass. P. 8-9.—Margins of rivers and brooks; very rare. I. In the Arun at Bury, *Bromfield.* II. Amberley, ditches by the Wild Brook, *Hb. B.*; abundant there in 1901. Nr. North Stoke, 1901, *E.S.M.* III. Along the edges of Marsh ditch

in Henfield Level in several places, *Bor.* Hurstpierpoint, W.M. Pond, Leigh, nr. Cuckfield, Oct., 1847; sp., *Bor.*

Note.—Discovered in Britain by *Borrer*, Sept., 1844.
The only other locs. are in Hants and Surrey.

SPARTINA STRICTA, *Roth.* Twin-spiked Cord Grass. P. 8-9.—Muddy salt marshes; rare. I. Pilsey. Ichenor, *Hb. Bor.* Pagham, *Hb. T.* West Wittering, *N.B.G.* Bosham, S. side of the Church and Creek, *Hb. C.* Dell Quay, Chichester, sparingly, 1885, known there for many years.

S. TOWNSENDI, *H. and J. Groves.* Townsend's Cord Grass. P. 8-9.—Mud flats; rare. I. Abundant at intervals from the head of Bosham Channel right round to Fishbourne and in Thorney, *E.S.M.* 1891, first found in Sussex.

S. ALTERNIFLORA, *Loisel.* Many-spiked cord grass. P. 8-9.—Mud banks and flats; rare. I. Thorney, not far from Pilsey; first found in Sussex by me, Sept. 18, 1900.

***SETARIA VIRIDIS**, *Beauv.!* Green Bristle Grass. A. 7-8.—Waste ground; rare. III. Cultivated land, Patcham, 1893, *T.H.* V. Nr. Mill Gap, Eastbourne, *R.*

ANTHOXANTHUM ODORATUM, *L.* Sweet-scented Vernal Grass. P. 5-6.—Meadows and woods; very com.

DIGRAPHIS ARUNDINACEA, *Trin.* Ribbon Grass. P. 6-7.—Ditches and wet places; com.

PHALARIS CANARIENSIS, *L.* Canary Grass. A. 7.—Waste places; casual. I. Midhurst, *H.E.F.* Hermitage, by the sea. III. About Brighton, *M.* Clayton. Portslade, *Hb. B.* V. Side of Pevensey Road. Mill Gap, *R.* VI. Hastings, *O.* VII. About Tunbridge Wells, freq., *E.J.*

ALOPECURUS AGRESTIS, *L.* Slender Foxtail Grass. S. Black Grass. A. 4-8.—Fields; very com.

A. FULVUS, *Sm.* Orange-anthered Foxtail Grass. P. 7-8.—Shallow pools and splashes; rare. I. Nr. Chichester, *Newbould.* Funtington. III. Pool Yale Bridge, N. of Burgess Hill, *Hon. J. L. Warren.* Pond on Broadwater Green, *O.* IV. Nr. Maresfield, Woods.

A. GENICULATUS, *L.* Knee-bent Foxtail Grass. P. 5-7.—Ponds, ditches, and slow streams; com.
Var. **PRONUS**.—III. Hurstpierpoint, *W.M.*

A. BULBOSUS, *L.* Bulbous Foxtail Grass. P. 5-7.—Salt marshes and waste ground by the sea; rare. I. Bognor, *Hb. C.* Pagham, *N.B.G.* Appledram Sluice, abund. Fishbourne Marshes, *A.* Clymping Sands, *E.S.M.* III. Shoreham. Southwick, *Bor.* IV. Newhaven, *Bor.* V. Shingles nr. Langley Fort, *R.* By the River Cuckmere nr. West Dean, 1899, *T.H.*

A. PRATENSIS, *L.* Meadow Foxtail Grass. P. 4-6.—Pastures; com.

PHELEUM PRATENSE, *L.* Cat's-tail grass. Timothy Grass. P. 6-7.—Meadows and roadsides; com.

Var. *nodosum*.—I. Slindon. Duncton. II. Ferring, *Hb. D.* V. Side of the road from Langley Farm to Wall's End, Pevensey, *R.*

P. ARENARIUM, *L.* Sand Cat's-tail Grass. P. 6-7.—Loose sand by the sea; rare. I. Clymping Sands, *E.S.M.* II. Littlehampton Beach. III. Nr. Brighton, *M.* V. Downs above the Links, Eastbourne. VI. Camber sands, abund., *B.*

GASTRIDIUM LENDIGERUM, *Gaud.* Awned Nit Grass. A. 6-9.—Cornfields and waste ground; rather rare. I. Thorney Island, sp. *Bor.* Bognor, 1896, *H. L. S. Guernonprez.* III. Clayton. Portslade, *N.B.G.* W. Grinstead, *Hb. Bor.* St. John's Common, Hurstpierpoint. Poynings, *W.M.* V. Nr. Warbleton. Nr. Hove, *R.* Hollington, *B.* VI. Hastings, cornfield nr. Old Roar. Fairlight. Guestling, *B.* VII. Wet cornfields nr. E. Grinstead, *Coleman.* Cornfield bet. Tunbridge Wells and Eridge Rocks, *N.B.G.* Not unfreq. in the Weald, *E.J.*

POLYPOGON MONSPELIENSIS, *Desf.* Annual Beard Grass. A. 7-8.—Marshes and ditches by the sea; very rare, apparently confined to the western extremity of the County. I. Thorney Island, abund. in several places, 1886, *Miss M. H. Arnold.* North-west end of Thorney, by some old clay pits, 1901, *E.S.M.*

HYBRID P. LITTORALIS, *Sm.* Perennial Beard Grass, *Sm.*—Muddy salt marshes; very rare. I. Thorney Island, 1904, *C.E.S.* Hybrid between *P. monspeliensis* and *Agrostis alba*.

AGROSTIS SPICA-VENTI, *L.* Silky Bent Grass. A. 7-8.—Sandy fields; rare. I. Sandy fields nr. Lower Barn, Lavington; and bet. Graffham and Heyshott, *E.S.M.* III. Hassocks Gate, *H.* V. Sandy ground nr. Horeham Station, *R.*

A. SETACEA, *Curt.!* Bristle-leaved Bent Grass. P. 7.—Dry heaths; rare. VII. Ashdown Forest. Chart Hill Field, E. Grinstead, *Coleman.*

A. CANINA, *L.* Brown Bent Grass. P. 6-7.—Moist woods and meadows; com.

A. ALBA, *L.* Marsh Bent Grass. P. 7-8.—Wet places, ditches, and roadsides; very com.

Var. *stolonifera*.—V. Abbot's Wood, *R.* VI. Pett. Ecclesbourne, *R.*

A. VULGARIS, *With.* Common Bent Grass. S. Monkey's Grass. P. 7-8.—Heaths and dry pastures; very com.

PSAMMA ARENARIA, *R. and S.* Marram. P. 7-8.—Loose sand by the sea; not com. I. Clymping sands. Aldwick to Pagham, *E.S.M.* II. Littlehampton, *Hb. B.*

III. Nr. Brighton, *M.* VI. Hastings Castle Hill, sparingly. Camber sands, abund., *R.*

CALAMAGROSTIS EPIJEGOS, *Roth.* Wood Small Reed. P. 6-7.—Hedges and wet thickets; rare. I. Selsey, *Hb. T.* Bosham, North Farm, 1878, *A.* II. Nr. Houghton Bridge, *Rev. A. A. Evans.* III. Albourne, *Hb. C.* Clayton. Hurstpierpoint. Poynings, *W.M.* V. Bet. Polegate and Wilmington, to the right of the Railway, *R.* Berwick Common and Shipley, *E.E.* VII. Woods nr. Tunbridge Wells, *E.J.*

C. LANCEOLATA, *Roth.* Purple-flowered Small Reed. P. 6-7.—Boggy ground and ditches; very rare. II. Chiltington, *Hb. Bor.* V. Swamp in Hurstmonceux Park. East Knole Wood, Horeham, *R.*

PHRAGMITES COMMUNIS, *Trin.* Common Reed. P. 7-8.—River, pond and ditch sides; com.

MILIUM EFFUSUM, *L.* Wood Millet Grass. P. 6-7.—Shady woods; not uncom. I. Nr. Midhurst, *H.E.F.* Wood End. Goodwood, *Hb. C.* Stansted Woods. Racton. Westbourne, Foxbury. In copses on the gault. Graffham. Lavington. Burton. Sutton, *E.S.M.* Hunston Wood, *A.* II. E. Preston, *Hb. D.* III. Nr. Brighton, *M.* IV. Fletching, *N.J.T.* V. Abbot's Wood, *R.* VI. Fairlight Glen, *U.* Guestling. Ore, *B.* VII. Nr. Tunbridge Wells, *E.J.*

AIRA CÆSPITOSA, *L.* Tufted Hair Grass. Tussock Grass. P. 7-8.—Moist woods and borders of fields; com.

A. FLEXUOSA, *L.* Wavy Hair Grass. P. 6-7.—Dry heaths and woods; com.

A. CARYOPHYLLEA, *L.* Silvery Hair Grass. A. 6-7.—Heaths and sandy banks; com.

A. PRÆCOX, *L.* Early Hair Grass. A. 4-5.—Dry pastures and banks; not uncom.

AVENA FLAVESCENS, *L.* Yellow Oat Grass. P. 6-7.—Pastures; very com.

A. PUBESCENS, *L.* Downy Oat Grass. P. 6-7.—Pastures and roadsides; not com. I. Westbourne, nr. the Cemetery. Downs above Sutton, *E.S.M.* III. Nr. Brighton, *M.* IV. Downs nr. Lewes, abund., *U.* V. Nr. Eastbourne, *R.*

A. PRATENSIS, *L.* Glabrous Oat Grass. P. 7-8.—Downs and dry pastures; not uncom. on the chalk. I. Above Kingley Vale, *Hb. T.* Roche's Hill, *A.* Downs nr. Dale Park, *Hb. C.* III. Nr. Brighton, *M.* IV. Downs nr. Lewes, abund., *U.* V. Cow Gap, *R.*

A. STRIGOSA, *Schreb.*! Black Oat. A. 7-8.—Cult. fields; casual, occasionally introd. with seed oats. I. Littleton Farm, nr. Upwaltham, in a cornfield, *E.S.M.* III. Southwick. Henfield, *Bot. Sus.* IV. Berwick, *E.E.*

A. FATUA, *L.* Wild Oat. A. 6-7.—Cult. fields; com.

A. ELATIOR, *L.* False Oat Grass. P. 6-7.—Waysides, &c.; very com.

Var. NODOSUM.—I. Lavant, *F.V.P.* Arundel, *Hb. B.* V. Downs nr. Eastbourne. Bet. Polegate and Westham. Horeham, *R.*

HOLCUS MOLLIS, *L.* Creeping Soft Grass. P. 6-7.—Woods and pastures; rather com.

H. LANATUS, *L.* Meadow Soft Grass. P. 6-7.—Meadows, &c.; very com.

TRIODIA DECUMBENS, *Beauv.* Decumbent Heath Grass. P. 7-8.—Heaths, pastures, and roadsides; not uncom., found in all the districts.

KŒLERIA CRISTATA, *Pers.* Crested Hair Grass.—Downs and chalky banks; rather rare, though loc. abund I. Above Kingley Vale. Roche's Hill, *A.* Waltham Hill. Graffham Down, *E.S.M.* II. Storrington Down, abund. III. Nr. Shoreham, *Hb. B.* Brighton, *M.* IV. Falmer, *Hb. B.* Downs, Lewes, abund., *U.* V. Nr. Berwick. Downs at Jevington Holt. Downs nr. Beachy Head, *R.*

MOLINIA CÆRULEA, *Mænch.* Purple Melic Grass. P. 7-8.—Wet heaths and damp woods; not uncom. I. Stansted Woods. Oakwood. Midhurst Common. Duneton Common. Ambersham. Graffham. Lavington and Coates Commons, *E.S.M.* II. Chiltington, *A.* Pulborough, *Hb. T.* III. Nr. Henfield, *Bor.* IV. Chailey Common. On the Forest nr. Maresfield, *U.* V. Mill Wood, Bexhill. Hurstmonceux Park. Heathfield, *R.* VI. Guestling. Fairlight, *B.* VII. Ashdown Forest. Tilgate Forest, *E.J.* Starve-mouse Plain, *Hanson.*

MELICA UNIFLORA, *Retz.* Wood Melic Grass. P. 5-6.—Woods and banks; com.

CATABROSA AQUATICA, *Beauv.* Water Whorl Grass. P. 5-6.—Not uncom. I. Fishbourne, Pool nr. the Chichester road. Westbourne, Penny Lane. V. Berwick Common, *R.* VI. Guestling, *B.* VII. Nr. Tunbridge Wells, freq., *E.J.*

GLYCERIA FLUITANS, *Br.* Floating Meadow Grass. P. 6-9.—Sides of ponds and slow streams; very com.

G. PLICATA, Fries. Folded-leaved Meadow Grass. P. 6-9.—Ditches and wet places; not com. I. Racton, by the Ems. Ditch by Gosden Green, *A.* Bosham. Earnley. Birdham. Graffham. Petworth. Fittleworth, *E.S.M.* III. Nr. Henfield, *Bor.* V. Ratton Decoy. Michelham. Willingdon. Marsh ditch below Rodmill, Eastbourne, *R.*

HYBRID G. PLICATA X FLUITANS.—I. Bet. Chichester and Birdham. Rother Valley nr. Petworth, *E.S.M.*

G. DECLINATA, *Bréb.* Dwarf Meadow Grass. P. 6-7.—Ditches and ponds; rare. II. Pond nr. Greatham, towards Ambersham, *E.S.M.* IV. Lane End Common, 1900, *T.H.*

G. AQUATICA, *Sm.* Reed Meadow Grass. P. 7-8.—Margins

of ponds, rivers, and ditches; not uncom. I. Burton Ponds. Nr. Petworth by the Rother. Nr. Arundel by the Arun. Canal, Mundham, *Ruth L. Arnold*. II. Pulborough, A. Amberley, *Hb. C.* IV. Lewes, sides of the "Pells." Banks of the Ouse, *U.* V. Nr. Ratton Decoy. Nr. Polegate, *R.* VI. Guestling. Peasmarsh, *B.* VII. Nr. Tunbridge Wells, *E.J.*

SCLEROCHLOA MARITIMA, *Lindl.* Sea Meadow Grass. P. 7-9.—Salt marshes and seashores; com.

S. DISTANS, *Bab.* Reflexed Meadow Grass. P. 7-10.—Seaside waste; rather rare. I. Hermitage, by the Ems. Thorney. Aldwick. Bognor. II. Littlehampton, *H.H.* III. Shoreham, *U.* Cliftonville. Brighton, *Hb. B.* IV. Nr. the Ouse opposite the Railway Bridge at Southram. Newhaven, *U.* V. Marshy place, nr. Westdean. Shingles beyond the Redoubt, Eastbourne, *R.* VI. Pett. Rye, *B.*

S. BORRERI, *Bab.* Borrer's Meadow Grass. P. 7-9.—Salt marshes and seaside waste; rare. III. By the seaside bet. Shoreham and Worthing, 1848, *Hb. C.*

S. PROCUMBENS, *Beauv.* Procumbent Meadow Grass. A. 6-7.—Waste ground by the sea; not uncom. westward. I. Hermitage, nr. the Ems and by the Slipper Mill. Prinsted. Dell Quay, A. Selsey, *Bor.* II. Littlehampton. III. Shoreham, *Bor.* Brighton, *M.* IV. Nr. the Ouse opposite the Railway Bridge at Southram, *U.* VI. Rye, *B.*

S. RIGIDA, *Link.* Hard Meadow Grass. A. 6-7.—Walls and dry places; com.

S. LOLIACEA, *Woods.* Dwarf Sea Wheat Grass. A. 6-7.—Sandy sea shores; rare. I. Cockbush, *Hb. T.* Clymping Sands. Aldwick, *E.S.M.* II. Littlehampton. III. Worthing, *Bot. Sus.* Nr. Brighton, abund., *Hb. B.* IV. Newhaven, nr. Bishopstone Tide Mills, *U.* V. Slope of the Redoubt, Eastbourne. Bopeep, *R.* VI. Hastings Castle Hill. Camber Sands, *B.*

POA ANNUA, *L.* Annual Meadow Grass. A. 3-10.—Cult. ground and roadsides; very com.

P. BULBOSA, *L.* Bulbous Meadow Grass. P. 5-6.—Dry sandy pastures and seaside waste; rare. II. Littlehampton, 1848, *Hb. C.* III. On the lower cliffs bet. Worthing and Lower Lancing, *N.B.G.* Shoreham, *Bor.* Brighton, *F.V.P.* VI. Nr. Hastings Castle, *Hb. Bor.*

P. NEMORALIS, *L.* Wood Meadow Grass. P. 6-7.—Woods and hedge banks; not com. I. Racton. W. Ashling, A. Lodsworth. Graffham, *E.S.M.* III. Banks of stream falling into the Adur, *W.M.* V. Gnat Wood. Shingles nr. Langley, *R.* VI. Fairlight Glen, *B.* VII. Nr. Tunbridge Wells, *E.J.* E. Grinstead, *W.H.C.*

P. COMPRESSA, *L.* Flat-stemmed Meadow Grass. P. 6-7.—Dry fields and wall tops; rare. I. Petworth, *E.E.* II. Littlehampton, *Hb. T.* III. Nr. Brighton, *M.* Shipley,

- E.E.* IV. Plumpton, *E.E.* V. Heathfield Park Wall, *R.*
VI. Battle. Winchelsea, Old Walls, *B.* VII. Ifield, *E.E.*
- P.** PRATENSIS, *L.* Smooth Meadow Grass. P. 6-7.—
 Meadows and pastures; very com.
 Var. CÆRULEA.—I. Bet. Aldwick and Pagham, *E.S.M.*
- P.** TRIVIALIS, *L.* Rough Meadow Grass. P. 6-7.—
 Meadows and roadsides; very com.
- BRIZA MEDIA**, *L.* Common Quaking Grass. S. Totter
 Grass. P. 6-7.—Downs and meadows; very com.
- CYNOSURUS CHRISTATUS**, *L.* Crested Dog's tail Grass.
 P. 7-8.—Meadows; very com.
- DACTYLIS GLOMERATA**, *L.* Rough Cock's foot Grass.
 P. 6-8.—Meadows and waysides; very com.
- FESTUCA UNIGLUMIS**, *Soland.* Single-glumed Fescue
 Grass. A. 6-7.—Sandy sea shores; rare. II. Little-
 hampton, *A.* III. Shoreham, *Bor.*
- F.** AMBIGUA, *Le Gall.* Ambiguous Fescue Grass. A. 6.—
 Loose blown sand by the sea; very rare. VI. Camber
 Sands, *B.*
- F.** PSEUDO-MYURUS, *Soyer.* Mouse-tail Fescue Grass.
 A. 5-6.—Walls and waysides; rare. I. Wall nr. Lumley
 Mill, Westbourne. IV. Nr. Lewes, *U.* V. Nr. Water-
 works, Eastbourne, *R.* VI. Fields nr. Hastings, *B.* VII.
 About Tunbridge Wells, *E.J.*
- F.** SCIUROIDES, *Roth.* Barren Fescue Grass. A. 5-6.—
 Wall tops, dry banks, and sandy pastures; not com. I.
 North Walls, Chichester. Old wall, Prinsted. Westbourne.
 III. Nr. Brighton, *M.* Shipley, *E.E.* IV. Berwick, *E.E.*
 V. Railway bank bet. Polegate and Folkington, *R.* VI.
 Hastings, *B.* Ashdown Forest. Nr. E. Grinstead, *W.H.C.*
 VII. Worth Churchyard, *E.E.*
- F.** OVINA, *L.* Sheep's Fescue Grass. P. 6.—Downs, dry
 pastures, and banks; very com.
 Var. TENUIFOLIA.—VI. Battle, *B.* Bet. Tunbridge Wells
 and Frant, *E.J.*
- F.** DURIUSCULA, *L.* Hard Fescue Grass. P. 6-7.—
 Meadows and waste ground; very com.
- F.** RUBRA, *L.* Creeping Fescue Grass. P. 5-8.—Sea shores
 and waste ground; not uncom. along the coast.
- F.** ELATIOR, *L.* Tall Fescue Grass. P. 6-7.—Wet pastures
 and banks by the sea; not uncom., occurs in all the
 districts.
 Var. ARUNDINACEA.—I. Thorney, on reclaimed land. II.
 Nr. Ferring, *Hb.* D. VI. Fairlight. Hastings, *B.*
 Obs.—I gathered an example from the Thorney embank-
 ment, June 13, 1889, which measured 5ft. 11in.
- F.** PRATENSIS, *Huds.* Meadow Fescue Grass. P. 6-7.—
 Moist meadows and roadsides; com.

- Var. *LOLIACEA*.—I. W. Ashling, *A.* Funtington, *Hb. T.*
 III. Marsh by “Sussex Pad,” Lancing, 1900, *T.H.* V.
 Mill Gap, Eastbourne. By path bet. Bexhill Church
 and Bulverhythe, *R.* VII. Bet. the Admiral’s Bridge
 and Brambletye, *W.H.C.*
- BROMUS GIGANTEUS**, *L.* Tall Brome Grass. P. 7.—
 Damp shady woods and hedges; com.
- B. ASPER**, *Murr.* Rough Brome Grass. P. 7.—Woods and
 hedges; com.
- B. ERECTUS**, *Huds.* Upright Perennial Brome Grass. P.
 6-7.—Dry chalky fields and banks; not com. I. E. Marden,
Hb. T. Goodwood. Woodmancote, Westbourne. III. Nr.
 Brighton, *M.* IV. Mill plain nr. Glyndebourne, *U.* V.
 Nr. Lullington, *R.* VI. Waterdown Forest, *B.*
- B. MADRITENSIS**, *L.* Upright Annual Brome Grass. A.
 6-7.—Old walls and sandy ground; rare. I. W. R. district,
H. V. Nr. Eastbourne, *R.*
- B. STERILIS**, *L.* Barren Brome Grass. A. 6.—Waysides;
 com.
- B. SECALINUS**, *L.* Rye Brome Grass. A. 6-7.—Cult.
 fields; not com. I. Binderton, 1877, *F.V.P.* Westbourne,
 1881. Thorney, 1882, *A.* Bosham, *J.G.H.* Bury, *Hb. C.*
 II. Ferring, *Hb. D.* III. Cliftonville. Portslade, *Hb. B.*
 IV. Berwick, *E.E.* V. Polegate. Jevington, *R.* VI. Nr.
 Burnt House, Mayfield, *J. Woods.*
- Var. *VELUTINUS*, *Schrad.*—III. Cornfield, Piecombe, 1897,
 and nr. Stanmer, 1899, *T.H.* IV. Plumpton, *E.E.*
- B. RACEMOSUS**, *L.* Racemose Brome Grass. B. 6.—Fields
 and meadows; not com. I. Cornfields nr. E. Marden,
Hb. C. Ichenor, *Hb. T.* III. Nr. Brighton, *M.* V.
 Beachy Head. Jevington, *R.* VII. Nr. Tunbridge Wells,
E.J.
- B. COMMUTATUS**, *Schrad.* Confused Brome Grass. B. 6-
 7.—Fields and roadsides; not com. I. Clay Lane, nr.
 Chichester. Rother Valley, native, *E.S.M.* III. Nr.
 Brighton, *M.* IV. Nr. Winterbourne, Lewes, *U.* Berwick,
E.E. V. Abbot’s Wood. Bet. Meads and Eastdean. Bex-
 hill, *R.* VI. Battle, *Hb. Bor.* Guestling, *B.*
- B. MOLLIS**, *L.* Soft Brome Grass. A. 5-6.—Meadows; com.
- B. ARVENSIS**, *L.* Field Brome Grass. A. 7-8.—Fields,
 roadsides; rare. I. E. Marden, *Hb. C.* IV. Nr. Seaford,
 1879, *E.E.* V. Nr. Cowgap, *Jackson.* Lucerne field,
 Wilmington, *R.*
- BRACHYPODIUM SYLVATICUM**, *R. and S.* Wood False
 Brome Grass. P. 6.—Woods, shady banks, very com.
- B. PINNATUM**, *Beauv.* Barren False Brome Grass. P. 7.
 —Downs and chalky pastures; not com. I. Goodwood, nr.
 Roche’s Hill. III. Nr. Brighton, *M.* IV. Kingston Hill.

Race Hill, Lewes, U. V. Top of Beachy Head, R. VI.
Fairlight, B.

TRITICUM CANINUM, *Huds.* Wood Couch Grass. P. 7.—
Woods and hedge banks; apparently very rare. I. Wood
nr. W. Stoke. In a copse at Woodmancote by the path
from Racton, abund., 1894, A. III. Hurstpierpoint, *W.M.*
Keymer, 1862; ex-herb., *W.B.H.* IV. Wood nr. Little
Ease Mill Pond, 1903, *C.E.S.* VII. About Tunbridge
Wells, *E.J.*

T. REPENS, *L.* Common Couch Grass. S. Spear Grass.
P. 7.—Cult. ground, roadsides, seashores; very com.

T. PUNGENS, *Pers.* Erect Sea Couch Grass. P. 6-8.—
Banks of tidal waters, seashores; not uncom. westward.
I. Mouth of the Ems. Thorney. Prinsted. Dell Quay.
On the W. side of the Arun nr. Littlehampton, *J. L.*
Warren in litt. to *W.B.H.*, 1874. II. Littlehampton.
V. Mouth of the Cuckmere. Cliff nr. Crowlink, *R.*

T. ACUTUM, *D.C.* Decumbent Sea Couch Grass. P. 7.—
Seashores; not com. I. Thorney, A. Chichester Creek,
F.T. Bosham. Pagham. Sidlesham, *E.S.M.* On the W.
side of the Arun nr. Littlehampton, *J. L. Warren*, in litt.
to *W.B.H.*, 1874. III. Mudflats, Old Shoreham, *Hb. Bor.*
VI. Camber Sands. Rye, *B.*

T. JUNCEUM, *L.* Sand Couch Grass. P. 7-8.—Sandy sea-
shores; not com. I. Aldwick. Pagham. Clypling Sands,
E.S.M. II. Littlehampton, A. III. Worthing, *O.* Old
Shoreham. Kingston. Southwick, *Hb. B.* IV. Newhaven,
Hb. B. VI. Hastings. Camber Sands, *B.*

LOLIUM PERENNE, *L.* Common Rye Grass. S. Crap.
P. 7-8.—Fields and roadsides; very com.

L. ITALICUM, *Braun.* Italian Rye Grass. P. 7.—Fields
and roadsides; com.

L. TEMULENTUM, *L.* Common Darnel. A. 6-8.—Cult.
fields; not com., sporadic.

Var. *ARVENSE*.—I. Bosham, *Hb. C.* Westdean, *F.V.P.*
E. Hampnett, J.G.H. Bury, *Hb. C.* II. Ferring, *Hb.*
D. III. Nr. Southwick Station, *Hb. B.* Casual,
Brighton, 1904, *T.H.* Ditchling, *E.E.* IV. Nr. Lewes,
U. V. Field bet. Bexhill and Bulverhythe. Waste
ground at Horeham Station, *R.* VII. E. Grinstead,
com., *W.H.C.*

LEPTURUS FILIFORMIS, *Trim.* Sea Hard Grass. A.
7-9.—Waste places by the sea; not uncom. I. Thorney,
abund. Mouth of the Ems. Prinsted. Fishbourne.
Appledram. Aldwick, A. E. Wittering, A. Bracklesham
Bay. Nr. Earsley, *E.S.M.* II. Littlehampton. III.
Shoreham, *U.* Southwick, *Bor.* Aldrington, *M.* IV.
Newhaven, *U.* V. Shingles, Eastbourne. Nr. Red House,
Pevensey. Cliff at Bexhill, *R.* St. Leonards, *O.* Bopeep,
B. VI. Pett. Camber, *B.*

ELYMUS ARENARIUS, *L.* Sand Lyme Grass. P. 6.—Sea shores and cliffs, very rare. I. Bet. Aldwick and Pagham, in some quantity, 1901, but it did not flower last year, *E.S.M.*

HORDEUM PRATENSE, *Huds.* Meadow Barley. P. 7.—Marshes and meadows; not uncom. I. Hermitage, nr. the mouth of the Ems. Prinsted. Fishbourne. Appledram Common. II. Littlehampton, *A.* Ferring, *Hb. D.* III. Worthing, *O.* Brighton, *M.* IV. Nr. Lewes, *U.* V. Marshes nr. Eastbourne, *R.* St. Leonards, *O.* VI. Guestling. Battle. Rye, *B.* VII. East Grinstead, Great Mead, Hazleden, *W.H.C.*

H. MURINUM, *L.* Wall Barley. B. 6-7.—Walls, waysides, waste places; com.

H. MARITIMUM, *With.* Sea Barley. A. 6-8.—Sandy ground nr. the sea; not com. I. Thorney, in several places. Prinsted. Sidlesham. Selsey, *E.S.M.* Bet. Felpham and Littlehampton, abund., *A.* III. Lancing, *O.* Aldrington, *U.* IV. Newhaven, *U.* V. Bexhill. Pevensey. Westdean, *R.* Bopeep, *B.* VI. Hastings. Rye. Pett. Camber, *B.*

NARDUS STRICTA, *L.* Mat Grass. P. 7.—Heaths; not uncom. I. Northlands, Chichester, *Hb. C.* Stansted Woods. North Heath, Midhurst. Dunton Common. IV. Commons in the Wealden part of the district, *U.* V. Waldron, *Hb. B.* Bexhill Common, *R.* VI. Guestling, *B.* VII. Ashdown Forest, *E.J.*

ACOTYLEDONES.

FILICES.

HYMENOPHYLLUM TUNBRIDGENSE, Sm. Tunbridge Filmy Fern. P. 5-7.—On rocks, steep bank, and trunks of trees; rare. IV. Ardingly Rocks, 1854, F.V.P. On the main ridge nr. Balcombe, and on Chiddingly Rocks, J.L. Nr. Handcross, Bor. On a rock called Pook Church, in Cow Wood, left of the Brighton road and half a mile from Handcross, *De Crespigny*. VII. Sand rocks about Tunbridge Wells. Eridge Rocks, E.J. Withyham, Borrer; Turner and Dillwyn, 1805. Rocks at West Hoathly, 1890, C.E.S. Rocks, Turners Hill, 1903, W. E. Nicholson.

PTERIS AQUILINA, L. Common Bracken. P. 7.—Woods, heaths, and rough pastures; very com.

LOMARIA SPICANT, Desv. Hard Fern. P. 7.—Damp woods and banks and heathy ground; not uncom. I. Midhurst Common. Dunton Common. Petworth, Hunger's Lane, King's Pit Lane. Flexham Park. Coates, Red Hill Hollow. II. St. Leonards Forest, G.B.H. Fryern, Sullington. Buck Common, Storrington, Hb. D. III. Hassocks Gate, M. IV. Nr. Balcombe, Hb. B. V. Mill Wood, Bexhill. Wartling Wood. Hurstmonceux, R. VI. St. Helen's Wood, O. Nr. Old Roar. Guestling, B. VII. Tilgate Forest, J.L. On the Forests, abund., E.J.

ASPLENIUM RUTA-MURARIA, L. Wall Rue Spleenwort. P. 5-8.—Old walls; not uncom. I. Harting, W. Midhurst. Lordington. Westbourne, Churchyard wall, &c. Nr. Lumley Mill. Aldsworth. Hermitage. Funtington. Bosham. Slindon. Petworth Park wall, &c. Westburton. Coates. Sutton, A. On Chichester Cathedral, Hb. D. II. Horsham, G.B.H. III. Hurstpierpoint, M. Cuckfield, J.L. IV. Fletching Churchyard. Fletching Bridge, N.J.T. Lewes. Southover, U. V. Wall nr. the Wish, Old Eastbourne. Westham. Heathfield. Wilmington. Compton Place, Pevensey Castle, R. VI. Wadhurst. Mayfield, E.J. Walls of Battle Abbey, O. Guestling. Pett. Winchelsea, B. VII. Nr. Tunbridge Wells, E.J.

A. TRICHOMANES, L. Maidenhair Spleenwort. P. 5-8.—Old walls and dry banks; not com., but generally distributed. I. Harting, W. Walberton. Slindon. Petworth. Sutton. Coates. Lavington. Graffham, E.S.M. Wall of the Guildhall, Chichester. Flint wall of Westbourne Workhouse, A. II. Horsham, G.B.H. III. Hurstpierpoint. Poynings. Danny, M. Cuckfield Church, J.L.

Shoreham, *C.E.S.* IV. Walls of Kingston and Firle Churches, *U.* Ardingly, *Hb. B.* V. Nr. Hurstmonceux, *R.* VI. Mayfield, Wadhurst, *E.J.* Guestling, rare, *B.* VII. Nr. Turners Hill Gate, *Hanson.*

A. *VIRIDE*, *Huds.*! Green Spleenwort. P. 6-9.—Rocks and walls. III. On Danny House, 1852; probably extinct, *M.*

A. *MARINUM*, *L.* Sea Spleenwort. P. 6-9.—Rocks by the sea; very rare. VI. Ray found this fern about the Castle Rock, Hastings. Newman, 1844, says, "I am informed by Yarrell, Borrer, and Jenner, that it still exists in the same loc." I have a specimen thence in my herb. without date. The Rev. E. N. Bloomfield now considers it extinct.

A. *LANCEOLATUM*, *Huds.*! Lanceolate Spleenwort. P. 6-9.—Rocks and old walls; very rare. VII. Eridge Rocks, *W.M.* Sand rocks nr. Tunbridge Wells, *E.J.*

A. *ADIANTUM-NIGRUM*, *L.* Black Maidenhair Spleenwort. P. 6-9.—Walls, rocks, hedge banks; not com. in some districts. I. Harting, *W.* Nr. Midhurst. Westbourne, nr. Foxbury. W. Ashling, nr. Mount Noddy. Funtington. Oakwood. Nr. Salt Hill. Old Fishbourne. Chichester Close. Petworth. Westburton. Coates. Sutton. Racton Hill, above the Church, *A.* Dale Park, *E.S.* Nr. Aldingbourne, *E.H.D.* II. Nr. Horsham, *G.B.H.* Storrington. Angmering Churchyard, *Hb. D.* III. Hurstpierpoint, *M.* IV. Nr. Lewes, *U.* Bet. Balcombe and Cuckfield, *J.L.* V. Westham Church. Friston Church. Heathfield Church, *R.* VI. Guestling. Pett. Winchelsea, *B.* VII. Nr. Tunbridge Wells, *E.J.* Nr. Turner's Hill, *J.L.*

ATHYRIUM FILIX-FEMINA, *Bernh.* Lady Fern. P. 6-7.—Moist woods, boggy and shady places; not uncom. I. Harting, in the Park and the Killing Wood, *W.* Nr. Aldsworth. Nr. Salt Hill, Chichester (formerly). Midhurst Common. Dunton Common. Bedham. Nr. Petworth. Burton. Coates. Sutton, *A.* Bet. Aldingbourne and Westergate, *E.H.D.* II. St. Leonards Forest. Nr. Horsham, *G.B.H.* III. Hurstpierpoint, *M.* IV. Nr. Uckfield. E. Hoathly, *U.* V. Hurstmonceux. Nr. Priest Haws. Wartling. Heathfield, *R.* VI. Guestling. Fairlight, *B.* VII. Tilgate Forest, *J.L.* Ashdown Forest, *E.J.* Eridge Park, *Pamplin.*

Var. *RHÆTICUM*.—I. Burton Park. Crouch. II. St. Leonards Forest, *G.B.H.* VII. Tilgate Forest, *J.L.* In the great bog nr. Kidbrook Park pâles, Forest Row, *E.J.* Common on the Forests, *H.*

CETERACH OFFICINARUM, *Willd.* Scaly Hart's Tongue. P. 4-9.—Old walls; not com. I. E. Marden, *Hb. T.* Harting, *W.* Goodwood Park wall, *Bor.* Westbourne. Stoughton. Funtington. Coates. Westburton. Stopham Bridge (1850), *A.* II. About Horsham, very rare, *G.B.H.* Nr. Pulborough, *A.* Washington, *Bor.* III. Edburton.

Henfield. Hurstpierpoint, *Bor.* Fulking, *M.* IV. Nr. Iford Church, *U.* Chailey, *E.J.* V. Eastbourne, *R.* VI. Brightling. Rosehill, *E.J.* Winchelsea, *B.* Mayfield, *E.E.*

SCOLOPENDRIUM VULGARE, *Sm.* Common Hart's Tongue. P. 7-8.—Woods, walls, hedgebanks; com.

Note.—There are several abnormal forms, in *Hb. C.* and *Hb. D.*, from various parts of the County.

CYSTOPTERIS FRAGILIS, *Bernh.* Brittle Bladder Fern. P. 7-8.—Rocks and walls; very rare. I. Harting, *W.*

ASPIDIUM ACULEATUM, *Sw.* Common Prickly Shield Fern. P. 7-8.—Hedge rows, damp banks; com.

Var. **LOBATUM**.—I. Hunger's Lane, Petworth. II. Horsham, *G.B.H.* IV. Nr. Cuckfield, *J.L.* VII. Bet. Groombridge and Withyham, *E.J.*

A. **ANGULARE**, *Willd.* Angular-leaved Shield Fern. P. 7-8.—Woods, hedges, banks; not uncom.

LASTRAEA FILIX-MAS, *Rich.* Male Fern. P. 6-7.—Woods, hedges, roadsides; com.

Var. **BORRERI**, *New Bab. Paleacea.* Moore.—I. Harting, *W.* In the beech woods bet. Graffham and Upwaltham, uncom, *Rev. E. S. Marshall.* Obs.—Found in several districts in Hants, *Townsend.*

L. **SPINULOSA**, *Prest.* Prickly-toothed Shield Fern. Damp woods and peaty ground; rather com. I. Nr. Midhurst, *H.E.F.* W. and E. Harting, *W.* Old Park, Bosham, *Hb. C.* Oakwood. Coates. Sutton, *A.* Graffham, *E.S.M.* II. St. Leonards Forest, *Luxford.* Nr. Horsham, *G.B.H.* III. Hurstpierpoint, *M.* IV. Nr. Balcombe, *J.L.* V. Abbot's Wood, nr. Arlington, *R.* Hollington. Bexhill, *B.* VI. Guestling. Heathfield, *B.* VII. Tilgate Forest, *J.L.* Ashdown Forest, *Hb. B.* Nr. E. Grinstead, *W.H.C.*

L. **DILATATA**, *Prest.* Broad shield Fern. P. 8-9.—Woods and shady places; com.

L. **ÆMULA**, *Brack.!* Hay-scented Fern. P. 7-9.—Woods; rare. V. Abbot's Wood, *R.* Hollington, *Prof. T. Dyer.* VI. Dallington, *B.* Mayfield, *E.E.* VII. Rocks, Wakehurst Place, W. Hoathly, 1854, *F.V.P.* Tilgate Forest, nr. Balcombe, *J.L.* Eridge Rocks, Tunbridge Wells, *E.J.*

L. **THELYPTERIS**, *Presl.* Marsh Fern. P. 7-8.—Boggy places; rare. I. Eastergate, nr. Chichester, *Hb. B.* II. Amberley Wild Brooks, *Bor.* St. Leonards Forest, *Bot. Sus.* III. Albourne, *W.M.* Bog nr. Hurstpierpoint, *U.* V. Hurstmonceux Park, *R.* VI. Waterdown Forest, *Pamplin.* Ore, *J. Woods.* VII. Broadwater Forest, bet. Eridge and Groombridge, *E.J.* E. Grinstead, Gargle Wood, The Bottoms, May's Farm, *W.H.C.*

L. **OREOPTERIS**, *Presl.* Mountain Fern. P. 7.—Boggy and heathy ground; not com. I. Heyshott, *F.V.P.* Below Blackdown. Midhurst Common. Bedham Hill, nr. Pet-

worth, A. II. St. Leonards Forest, *G.B.H.* III. Danny, *Moore*. IV. Chelwood Common, *N.J.T.* V. Roadside bet. Waldron and Cross-in-Hand, *R.* VI. Nr. Heathfield, *B.* VII. Balcombe, *F.V.P.* Tilgate Forest, abund., *J.L.* Ashdown Forest, *Hb.* *B.* Eridge. Rotherfield, *E.J.* Holtye Common, *H.* *F. Parsons.*

POLYPODIUM VULGARE, *L.* Common Polypody. P. 7-9.
—Rocks, walls, banks, stumps of trees; com.

P. PHEGOPTERIS, *L.* Beech Fern. P. 6-8.—Damp, shady places; very rare. VII. Tilgate Forest, *U.* Nr. Balcombe, *J.L.* Nr. Forest Row, 1854, *F.V.P.*

P. ROBERTIANUM, *Hoffm.* Limestone Fern. P. 7-8.—Dry places, among loose stones; very rare. I. Discovered June, 1882, in a ravine on the N. slope of the S. Downs, where I afterwards found it in considerable quantity; but am prohibited from stating the precise locality.

OSMUNDA REGALIS, *L.* Royal Fern. Flowering Fern. P. 7-9.—Boggy places; not com. I. In the boggy parts of the common bet. Chichester and Arundel, 1784, *Walpoole*. Harting, *W.* Foot of Blackdown. Dumpford, nr. Midhurst. Burton. Coates. Nr. Bignor Park, *A.* Minsted. Heyshott, *F.V.P.* II. St. Leonards Forest, sparingly, *G.B.H.* Amberley Wild Brooks, *Bot. Sus.* Parham, *S.E.* IV. Uckfield, *Hb.* *C.* Nr. Offham, *U.* Sheffield Forest (formerly), *N.J.T.* V. High Wood, Bexhill. Nr. Little Markly. VI. Dallington Forest. Brede, *B.* VII. Nr. Tunbridge Wells, *Hb.* *D.* In the Forests, rare, *E.J.* Gargle Wood, E. Grinstead, *W.H.C.*

OPHIOGLOSSUM VULGATUM, *L.* Adder's Tongue. P. 5-6.—Damp pastures and woods; not uncom. I. Nr. Midhurst, *H.E.F.* Harting, in the Leith and Padswood Copse, *W.* Nr. Salthill, Chichester, *Miss R. L. Arnold*. Bosham, *J.G.H.* Nr. Aldsworth. Wood nr. Woodmancote. Nr. W. Ashling Mill. Church Field, Fishbourne. Hillyers, nr. Petworth. Westerland. Bedham, *A.* Meadow above the Rectory, Graffham, *E.S.M.* Nr. Lidsey, *F.V.P.* Sutton, *H.S.* II. St. Leonards Forest. Nr. Horsham, *G.B.H.* III. Hurstpierpoint, *M.* Copse on the Dyke Road, Brighton, *S.E.* IV. Field nr. the pond at Beechwood. Nr. E. Hoathly, *U.* Rushton Wood, Fletching, *N.J.T.* V. Meadow nr. a marsh, Eastbourne, *S.E.* Nr. Tut Barn, *R.* VI. Guestling. Fairlight, *B.* VII. Broadwater Forest. About Tunbridge Wells, freq., *E.J.*

BOTRYCHIUM LUNARIA, *Sw.* Common Moonwort. P. 5-7.—Downs and heathy pastures; rare. I. Boxgrove Common, *Bor.* Dale Park, Arundel, 1903, *H.C.M.* II. Storrington Down, sp. 1870, *A.* Downs nr. Parham, *Bor.* St. Leonards Forest. High ground nr. Rusper Road, *G.B.H.* III. Patcham. Hollingbury Hill, *Bor.* Hurstpierpoint. Poynings, *W.M.* Nr. Hasoscks Gate, *M.* Down at Saddlescombe, *Miss M. Robinson*, 1902. IV. Nr. Lewes,

U. Hooke, Chailey Common S., *Rev. T. E. Crallan.* Nr. Balcombe, *N.J.T.* *V.* Waldron, *E.J.* Bexhill Down, *R.* VI. Burwash Common. Mayfield, *E.J.* Guestling. Fairlight, *B.* VII. On the Forest left of the road bet. Fisher's Gate and Maresfield. On the open part of the Forest bet. Crowborough Warren and the New Church. Bet. Coleman's Hatch and Forest Row, *E.J.*

LYCOPODIACEÆ.

LYCOPODIUM CLAVATUM, L. Common Club Moss. Stag's horn. P. 7-8.—Heaths; rare. I. Coates Common, *Miss M. Cooper.* Nr. Stopham, *Miss Brande.* Blackdown, *H.S.* Harting Coombe, 1833, *Miss Sowton.* II. St. Leonards Forest, *G.B.H.* IV. On the Common not far from Birchgrove School, below Divall's Farm, 1898, *J. E. Clark.* VII. Ashdown Forest, *N.J.T.* Tilgate Forest, *S.E.* Starvemouse Plain, *Hanson.* Wych Cross and near the quarry in Hindleap Warren, 1902, *J. E. Clark.* Crowborough, *M.C.* Holtye Common, *H. F. Parsons.* Worth Forest, 1902, *C.E.S.*

L. INUNDATUM, L. Marsh Club Moss. P. 8-9.—Boggy heaths and commons; not uncom. I. Midhurst Common. Duncton Common, *A.* II. Parham Park. Washington Common, *Bot. Sus.* Chiltington Common, *A.* VII. Tilgate Forest. Starvemouse Plain, *Hanson.* Broadwater Forest, *E.J.* Nr. Forest Row, Ashdown Forest, 1892, *Miss L. G. Davenport.*

L. SELAGO, L. Fir Club Moss. P. 6-8.—Heaths; very rare. V. Nr. Waldron Down, *Babington.* Heathfield Park, under the trees nr. the Tower, *R.* VI. Waterdown Forest, on the left of the road from Tunbridge Wells to Frant, *E.J.* VII. Ashdown Forest, *N.J.T.* Nr. Wych Cross, *E.J.* Tilgate Forest, *F.V.P.* Starvemouse Plain, *Hanson.*

MARSILEACEÆ.

PILULARIA GLOBULIFERA, L. Pillwort. Pepper Grass. P. 6-7.—Margins of pools; rare. I. Pool on Westbourne Common, 1901, *A.* II. Chiltington Common, *A.* III. St. John's Common, *W.M.* IV. Maresfield. Pond nr. Fletching, *S.E.* Piltdown. Chailey, North Common, *E.J.* Pondleigh, nr. Cuckfield, *Mrs. Davy.* Pond, Slaugham Common, 1901, *T.H.* VII. In a bog at Quarry Brook, on the right of the road from Hartfield to Forest Row, *E.J.* Bewbush Mill Pond, 1902, *C.E.S.*

EQUISETACEÆ.

EQUISETUM ARVENSE, L. Corn Horse Tail. P. 3-4.—Damp places; very com.

E. MAXIMUM, Lam. Great Horse Tail. P. 4.—Wet woods and ditches; not com. I. Mill Lane. Fishbourne. Burton

- Park, A. Sutton, *H.S.* III. Nr. Newtimber, *Hb. B.* IV.
 Nr. Alciston, *E.E.* Balcombe, *H. F. Parsons.* V. Nr.
 Willingdon, *R.* Ratton Decoy, *Mrs. Davy.* VI. Wad-
 hurst. Mayfield, *E.J.* Dallington Forest. St. Helen's
 Wood. Fairlight. Guestling. Battle, *R.* VII. Withy-
 ham, *E.J.* Tilgate Forest, *J.L.* E. Grinstead, nr. Saint
 Hill, Cock Robin Wood, *W.H.C.*
- E. SYLVATICUM, L.** Wood Horse Tail. P. 4-5.—Boggy
 places; very rare. I. Midhurst, nr the Station of the L.B.
 and S.C. Railway, 1891, *Dr. Paxton.* VII. Nr. Tunbridge
 Wells, *Hb. C.* Tilgate Forest, *E.E.* Wood nr. Saint Hill,
 East Grinstead, 1892, *C.E.S.*
- E. PALUSTRE, L.** Marsh Horse Tail. P. 6 to 7.—Marshes
 and wet meadows; not uncom. I. Racton. Nr. Lordington.
 Westbourne, meadow nr. the Church, Aldermere, Aldsworth Marsh.
 Fishbourne. Selsey. Rotherbridge, nr. Petworth. II. Nr.
 Burpham. III. Henfield, *Bor.* IV. Nr. Lewes, *U.* V. Nr.
 Waterworks, Eastbourne, *R.* St. Leonards, *O.* VI. Guestling.
 Winchelsea. Pett. Icklesham, *B.* VII. Nr. Tunbridge Wells, freq., *E.J.*
 Var. *POLYSTACHYUM.*—IV. Buxted Park, 1891, *E. H. Farr.*
- E. LIMOSUM, L.** Smooth Horse Tail. P. 6-7.—Ditches;
 com.

CHARACEÆ.

- CHARA FRAGILIS, Desv.** Fragile Chara. P. 7-8.—Ponds,
 canals, &c.; not uncom., *Bor.* III. West Grinstead,
Babington. Pond on Patcham Downs, 1886, *A. J. Cross-
 field.* Lancing, 1896, *T.H.* IV. Pond, Mount Caburn,
 1895, *T.H.* V. Marsh Ditches, Eastbourne, *R.* VII. Pond
 nr. East Grinstead, towards Shovelstrode, 1895, *C.E.S.*
 Var. *HEDWIGII.*—“Sussex,” *H. and J.G.* II. Amberley
 Wild Brooks, 1899, *C.E.S.* IV. Buxted, *Bor.* V. Great
 Park Farm, Battle, 1895, *E. S. Salmon.* VI. Mayfield,
E.J. VII. Pond nr. East Grinstead, towards Shovel-
 strode, 1895, *C.E.S.*
- C. HISPIDA, L.** Bristly Chara. Ponds, &c.; not com.,
Bor. IV. Ditches, Hamsey, 1893, *T.H.* V. Sheep pond
 on the Downs nr. Ratton, *R.*
 Var. *HORRIDA.*—“Sussex W.”, *H. and J.G.*
- C. VULGARIS, L.** Fœtid Chara. P. 6-7.—Stagnant and
 slowly running water; com. I. Harting, ponds at Up
 Park, *Hb. T.* Racton, nr. Gounter's Pool. Bosham.
 Chidham. Hunston. Pool at Mid Lavant, *A.* IV. Pond,
 Mount Caburn, 1895, *T.H.* V. Pond by Waterworks,
 Eastbourne, *R.* VI. Ditch nr. Camber Castle, 1895.
 Var. *LONGIBRACTEATA.*—“Sussex,” *Hb. Bor.* III. Nr.
 Worthing, *O.* “Sussex E.”, *H. and J.G.* IV. Iford,
 1894, *T.H.* V. Nr. Pevensey Sluice, 1895. VI. Ditch
 nr. Camber Castle, 1895, *C.E.S.*

Var. PAPILLATA.—I. Ditch nr. Clymping, *E.S.M.* IV. Bet. Lewes and Kingston, 1900. V. Nr. Pevensey Sluice, 1894, *C.E.S.* “Sussex E.”, *H. and J.G.*

TOLYPELLA GLOMERATA, *Leonh.* Clustered Tolypella. A. or P. 5.—Brackish pools and ditches; rare. III. First met with in Sussex, at Lancing, by Borrer, 1804-5, who says “It was found in a ditch which I believe the tide never reaches.”

T. PROLIFERA, *Leonh.* Many-fruited Tolypella. A. 4-5.—Ponds and ditches; very rare. II. Ditch, Amberley Wild Brooks, 1900, *T.H.* III. Discovered in Britain by Borrer in 1827, in a marsh ditch nr. Brookside, and found by him, in 1840, nr. Rye Farm, Henfield.

NITELLA GRACILIS, *Agardh.* Slender Nitella. A. 8.—Boggy pools; very rare. II. St. Leonards Forest, *Bor.*; discovered there by him.

N. MUCRONATA, *A. Braun.* Mucronate Nitella. A. 7.—Still water; very rare. Marsh ditch, W. Grinstead, discovered by *Borrer*. Not found since.

N. TRANSLUCENS, *Agardh.* Translucent Nitella. P. 7.—Ditches, &c.; rare. II. St. Leonards Forest; shown to Mr. Groves by Mr. Carruthers. IV. Ponds on Framfield Common, *E.J.*

N. FLEXILIS, *Agardh.* Flaccid Nitella. P. 6-7.—Pools and ditches; rare. II. Amberley, *Syme.* III. Nr. Worthing, *O.* IV. Framfield, *E.J.* Bet. the Great Pond and Broadhurst, Horsted Keynes, *W.W.* Chailey Common, 1904, *T.H.* V. Pond at Catsfield, 1895, *E. S. Salmon.* VII. Withyham, *E.J.*

N. OPACA, *Agardh.* Opaque Nitella. A. or P.—Ponds, ditches, &c.; not com. III. Joulsfield Common, *Bor.* Nr. Worthing, *O.* V. Milton Hyde, *R.*

For information as to the Characeæ up to the present date, I am indebted to Messrs. H. and J. Groves, who tell me that they have very few notes on this order from Sussex.

APPENDIX.

PLANTS RECORDED AS GROWING IN HANTS (INCLUDING THE ISLE OF WIGHT), KENT, AND SURREY; BUT HITHERTO NOT DISCOVERED IN SUSSEX. FROM TOWNSEND'S FLORA OF HANTS, 1883, AND WATSON'S TOPOGRAPHICAL BOTANY, 2ND EDITION, 1883.

<i>Fumaria parviflora</i>	...	...	Hants	...	Kent	...	Surrey.
<i>F. Vaillantii</i>	...	...	Hants	...	Kent	...	Surrey.
<i>Hutchinsia petræa</i>	...	...	—	...	Kent	...	—
<i>Cochlearia officinalis</i>	...	...	Hants	...	Kent	...	—
<i>Turritis glabra</i>	...	...	Hants	...	Kent	...	Surrey.
<i>Barbarea stricta</i>	...	...	—	...	—	...	Surrey.
<i>Polygala austriaca</i>	...	...	—	...	Kent	...	—
<i>Elatine hydropiper</i>	...	...	—	...	—	...	Surrey.
<i>Silene nutans</i>	...	...	Hants	...	Kent	...	—
<i>S. gallica</i>	...	...	Hants	...	—	...	—
<i>S. italicica</i>	...	...	—	...	Kent	...	Surrey.
<i>Spergularia rupestris</i>	...	...	Hants	...	—	...	—
<i>Stellaria umbrosa</i>	...	...	Hants	...	Kent	...	—
<i>Cerastium pumilum</i>	...	...	Hants	...	—	...	Surrey.
<i>Althæa hirsuta</i>	...	...	—	...	Kent	...	—
<i>Erodium moschatum</i>	...	...	Hants	...	—	...	—
<i>Geranium rotundifolium</i>	...	...	Hants	...	Kent	...	Surrey.
<i>G. sanguineum</i>	...	...	Hants	...	—	...	—
<i>Lotus hispidus</i>	...	...	Hants	...	—	...	—
<i>Vicia gracilis</i>	...	...	Hants	...	Kent	...	Surrey.
<i>Lathyrus hirsutus</i>	...	...	—	...	—	...	Surrey.
<i>L. palustris</i>	...	...	Hants	...	—	...	—
<i>Geum intermedium</i>	...	...	Hants	...	—	...	—
<i>Rubus Lindleianus</i>	...	...	Hants	...	—	...	Surrey.
<i>R. hemistemon</i>	...	...	Hants	...	—	...	—
<i>R. imbricatus</i>	...	...	Hants	...	—	...	—
<i>R. hirtifolius</i>	...	...	Hants	...	—	...	—
<i>R. Colemanni</i>	...	...	Hants	...	—	...	—
<i>R. Sprengelii</i>	...	...	Hants	...	—	...	—
<i>R. humifusus</i>	...	...	Hants	...	—	...	—

<i>Rosa hibernica</i>	...	...	...	—	...	—	...	Surrey.
<i>R. mollissima</i>	...	...	...	Hants	...	—	...	Surrey.
<i>Pyrus latifolia</i>	...	...	...	Hants	...	—	...	—
<i>P. fennica</i>	...	...	...	—	...	Kent	...	—
<i>Herniaria hirsuta</i>	...	...	...	Hants	...	—	...	—
<i>H. glabra</i>	...	...	...	Hants	...	—	...	—
<i>Tillaea muscosa</i>	...	...	...	Hants	...	—	...	—
<i>Chrysosplenium alternifolium</i>	.			Hants	...	Kent	...	Surrey.
<i>Parnassia palustris</i>	...	...	...	Hants	...	—	...	Surrey.
<i>Eryngium campestre</i>	...	...	...	—	...	Kent	...	—
<i>Bupleurum falcatum</i>	...	...	...	—	...	—	...	Surrey.
<i>Enanthe fluvialis</i>	...	...	...	Hants	...	Kent	...	Surrey.
<i>Peucedanum officinale</i>	...	...	...	—	...	Kent	...	—
<i>Caucalis daucoides</i>	...	...	...	Hants	...	Kent	...	Surrey.
<i>Galium anglicum</i>	...	...	...	—	...	Kent	...	—
<i>Valeriana carinata</i>	...	...	...	—	...	—	...	Surrey.
<i>Sonchus palustris</i>	...	...	...	—	...	Kent	...	—
<i>Barkhausia taraxacifolia</i>	...			Hants	...	Kent	...	Surrey.
<i>Arnoseris pusilla</i>	...	...	...	Hants	...	Kent	...	Surrey.
<i>Diotis maritima</i>	...	...	...	Hants	...	Kent	...	—
<i>Campanula latifolia</i>	...	...	...	—	...	—	...	Surrey.
<i>Pyrola rotundifolia</i>	...	...	...	—	...	Kent	...	—
<i>Melampyrum cristatum</i>	...			Hants	...	—	...	—
<i>M. arvense</i>	...	...	...	Hants	...	—	...	—
<i>Orobanche caryophyllacea</i>	...			—	...	Kent	...	—
<i>O. picridis</i>	...	...	...	Hants	...	Kent	...	Surrey.
<i>O. Hederæ</i>	...	...	...	Hants	...	Kent	...	—
<i>O. cærulea</i>	...	...	...	Hants	...	—	...	—
<i>Calamintha sylvatica</i>	...	...	...	Hants	...	—	...	—
<i>Teucrium botrys</i>	...	...	...	—	...	—	...	Surrey.
<i>Ajuga chamæpitys</i>	...	...	...	Hants	...	Kent	...	Surrey.
<i>Stachys germanica</i>	...	...	...	Hants	...	Kent	...	—
<i>Lithospermum purpureo-cœruleum</i>	...	...	...	—	...	Kent	...	—
<i>Asperugo procumbens</i>	...	...	...	—	...	Kent	...	Surrey.
<i>Pulmonaria augustifolia</i>	...			Hants	...	—	...	—
<i>Pinguicula vulgaris</i>	...	...	...	Hants	...	—	...	—
<i>P. lusitanica</i>	...	...	...	Hants	...	—	...	—
<i>Utricularia neglecta</i>	...	...	...	Hants	...	Kent	...	Surrey.
<i>Chenopodium botryoides</i>	...			—	...	Kent	...	—
<i>C. glaucum</i>	...	...	...	Hants	...	—	...	Surrey.
<i>Obione pedunculata</i>	...	...	...	—	...	Kent	...	—
<i>Polygonum mite</i>	...	...	...	Hants	...	—	...	Surrey.
<i>Euphorbia Peplis</i>	...	...	...	Hants	...	—	...	—
<i>E. portlandica</i>	...	...	...	Hants	...	—	...	—
<i>Spiranthes æstivalis</i>	...	...	...	Hants	...	—	...	—
<i>Orchis Simia</i>	...	...	...	—	...	Kent	...	—
<i>O. hircina</i>	...	...	...	—	...	Kent	...	—
<i>Ophrys arachnites</i>	...	...	...	—	...	Kent	...	Surrey.

<i>Gladiolus illyricus</i>	...	...	Hants	...	-	...	-
<i>Scilla autumnalis</i>	...	...	Hants	...	Kent	...	Surrey.
<i>Lemna arhiza</i>	...	...	—	...	Kent	...	Surrey.
<i>Sparganium minimum</i>	...	...	Hants	...	Kent	...	-
<i>S. affine</i>	...	...	—	...	—	...	Surrey.
<i>Cyperus longus</i>	...	...	Hants	...	Kent	...	-
<i>C. fuscus</i>	...	...	—	...	—	...	Surrey.
<i>Cladium Mariscus</i>	...	...	Hants	...	Kent	...	-
<i>Schoenus nigricans</i>	...	...	Hants	...	—	...	Surrey.
<i>Rhyncospora fusca</i>	...	...	Hants	...	—	...	-
<i>Scirpus Savii</i>	...	...	Hants	...	—	...	-
<i>S. parvulus</i>	...	...	Hants	...	—	...	-
<i>Eriophorum latifolium</i>	...	...	Hants	...	Kent	...	Surrey.
<i>E. gracile</i>	...	...	Hants	...	—	...	-
<i>Carex depauperata</i>	...	...	—	...	Kent	...	Surrey.
<i>C. limosa</i>	...	...	Hants	...	—	...	-
<i>C. humilis</i>	...	...	Hants	...	—	...	-
<i>C. punctata</i>	...	...	Hants	...	—	...	-
<i>C. filiformis</i>	...	...	Hants	...	—	...	-
<i>Spartina alterniflora</i>	...	...	Hants	...	—	...	-
<i>S. Townsendi</i>	...	...	Hants	...	—	...	-
<i>Digitaria humifusa</i>	...	...	Hants	...	—	...	-
<i>Polypogon littoralis</i>	...	...	Hants	...	Kent	...	-
<i>Briza minor</i>	...	...	Hants	...	—	...	-
<i>Hordeum sylvaticum</i>	...	...	Hants	...	Kent	...	Surrey.
<i>Equisetum hyemale</i>	...	...	—	...	Kent	...	Surrey.
<i>Chara alopecuroides</i>	...	...	Hants	...	—	...	-
<i>C. contraria</i>	...	...	Hants	...	—	...	Surrey.

THE BRITISH OAK

(*Quercus Robur*).

Of this there are two distinct species—the Pedunculate Oak (*Quercus pedunculata*) and the Sessile or Durmast Oak (*Quercus sessiliflora*). Babington says: “It is generally supposed by foresters that there are two, if not three, species of oak in Britain. I have failed in learning how to distinguish them.” It has been frequently stated that individuals of the two species may be found approximating to each other in one of the features usually relied on to distinguish them from each other, viz., the regularly-lobed *stalked* leaves of the Durmast oak and the irregularly-leaved *stalkless* of the Pedunculate oak. This and the more obvious distinction that the Durmast oak bears stalkless flowers and acorns, while the Pedunculate oak bears flowers and acorns on stalks two or three inches long, are well-known distinctions, but it may also be noticed that the back of the leaf in the Durmast is always more or less downy or hairy along the mid-rib, that of the Pedunculate being quite smooth. Against Don’s figment of an intermediate species may be set the fact that the two species flower at different times, rendering the occurrence of hybrids exceedingly improbable. As a forest tree the Durmast is greatly superior, both in beauty and timber, and yet British planters still wrongly give the preference to the Pedunculate species.

BELLADONNA POISONING.

In the “West Sussex Gazette” of July, 1902, is the following: “A fatal case of poisoning arising from the effects of eating berries of the Belladonna plant has occurred at Stansted, Sussex. Several young children gathered some of the berries and eat them. One boy, eleven years of age, named Leonard Archibald Glass, the son of a journeyman painter, who was on holidays in the neighbourhood, subsequently died, and three other children, a boy, aged six, and two girls, aged five, were for a time seriously ill. They apparently owed their escape from death to the fact that they had eaten less freely of the glossy purple berries. At an inquest held on Saturday evening on the lad Glass the jury returned a verdict of accidental poisoning, and expressed a hope that the public would take serious warning of the poisonous nature of Belladonna berries.”

BIRCH WINE AS MADE IN SUSSEX.

In a quaint old book, dated 1728, a recipe for making this is thus given: "Take the sap of Birch fresh drawn, boil it as long as any scum arises; to every gallon of liquor put two pounds of good sugar; boil it half an hour; when 'tis almost cold set it with a little yeast spread on a toast; let it stand five or six days in an open vessel, stirring it often; then take such a cask as the liquor will be sure to fill, and fire a large match dipped in brimstone, and put it into the cask and stop in the smoak, always keeping it shook; then shake out the ashes, and as quick as possible pour in a pint of sack or rhenish, which taste you like best, for the liquor retains it, rinse the cask well with this and pour it out. Pour in your wine and stop it close for six months, and then, if perfectly fine, you may bottle it."

STARRY-HEADED TREFOIL

(*Trifolium Stellatum*).

This is one of the most beautiful of our wild flowers, and is found in Britain at Shoreham only. There it has long been known. By a botanist at Kew it was said to be extinct. To disprove this, Mrs. Butcher, of Worthing, sent me, in June, 1888, a series of specimens in bud, in flower, and in seed. The petals of light pink, surrounded by calyces clothed with fine silky hairs, are exceedingly lovely, and it is altogether one of the most interesting plants in our Flora. Fortunately, it is very difficult to extirpate any of the *leguminosæ*, and it may therefore be hoped that it may long continue to adorn the shingle beach at Shoreham.

PEAS EARTH-NUT

(*Lathyrus tuberosus*).

A most interesting floral find of the summer of 1888 was that of the Peas Earth-Nut (*Lathyrus tuberosus*) by R. D. Postans, Esq., who observed it in the shingle beach at Eastbourne in full bloom in the first week in August. Its flowers have been described as crimson; but their hue may be better expressed as pinky carmine. The first specimen sent had only a portion of its creeping rootstock. Afterwards, however, using a trowel, the rootlets, with their remarkable tubers, were also found. One of these weighed a quarter of an ounce. The locality in which the Sussex plant occurs, i.e., the shingle beach at Eastbourne, differs greatly from that mentioned by Gibson about Fyfield in Essex, viz., "in several corn-fields, and also along the hedge banks and borders of the same fields." That it is a coast plant, however, appears from its second discovery. In his "Flora of Plymouth," published in 1880, Mr. Briggs states that about 1856 he saw it growing "on the first embankment from Plymouth, by the side of the Laira estuary"; that he afterwards searched for it in vain, and gave up all hopes of seeing it again, until one day in June, 1871, when he came upon it in its old locality. The old woodcut of Gerard of this plant, headed *Terrae glandes*, is an excellent one, and allowing for the absence of technicalities, his description of it is equally good. "The pease earth-nut," he says, "commeth up with slender and weake stalkes; the leaves be thin and little, growing upon slender stems, with clasping tendrils at the ends, with which it imbraceth and taketh hold of such things as stand neere onto it; the floures on the top of the stalkes are like to those of pease, but lesser, of a red purple colour, in smell not unpleasant; in their places come up long cods, in which are three or four round seeds; the roots be thicke, long, like after a sort to acorns, but much greater, blacke without, gray within, in taste like to the cheese-nut, out of which beneath doth hang a long slender string." He adds that by the Dutch these peculiar tubers are called "tailled mise, of the similitude or likenesse of domesticall mise, which the blacke, round and long nuts, with a piece of the slender string hanging out behind do represent"; and to a dead and shrivelled mouse they have certainly a quaint resemblance.

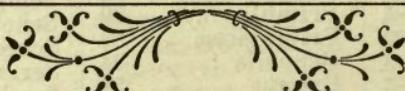
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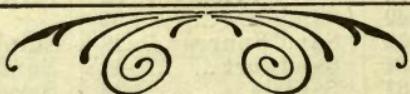
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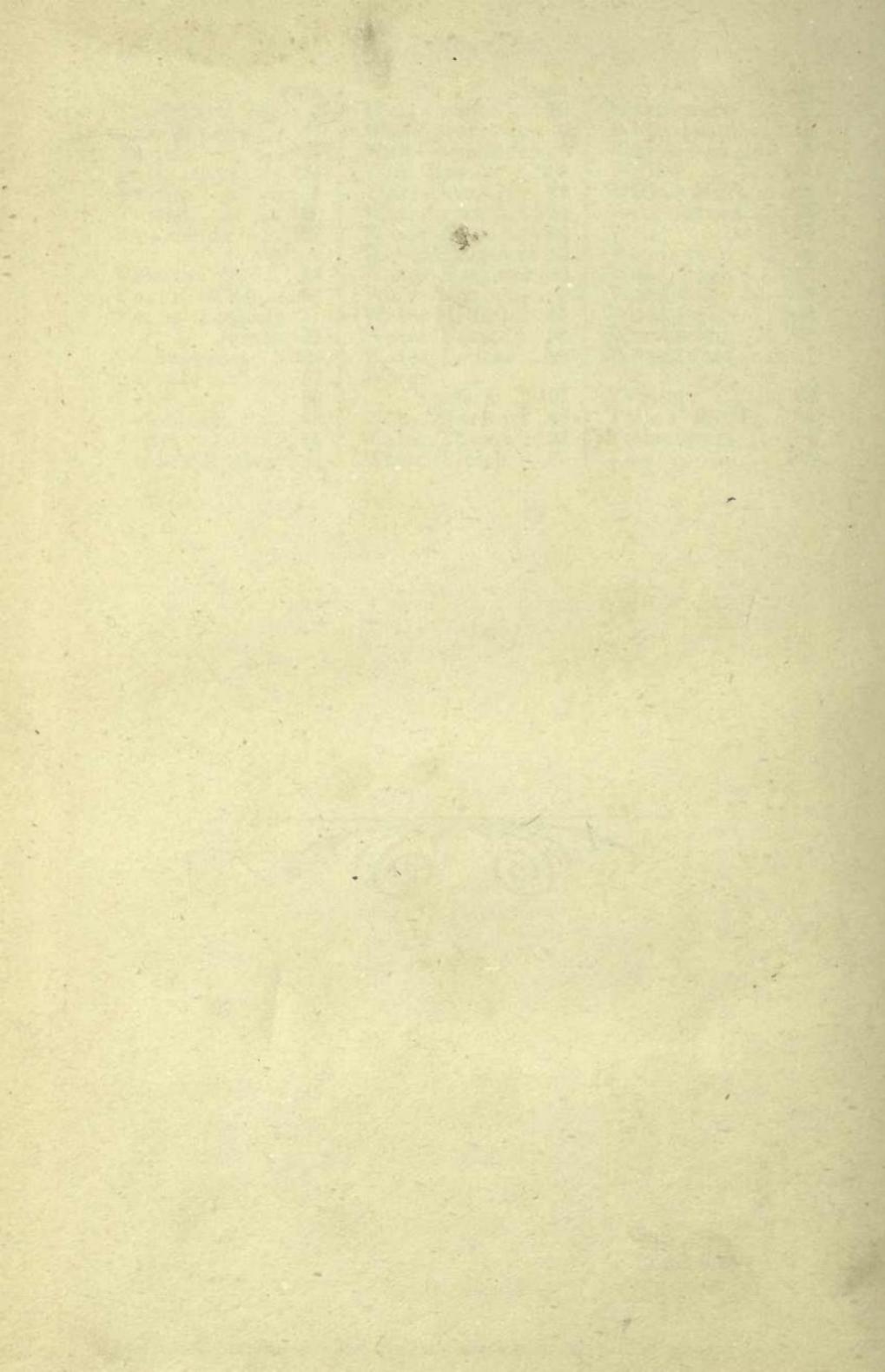
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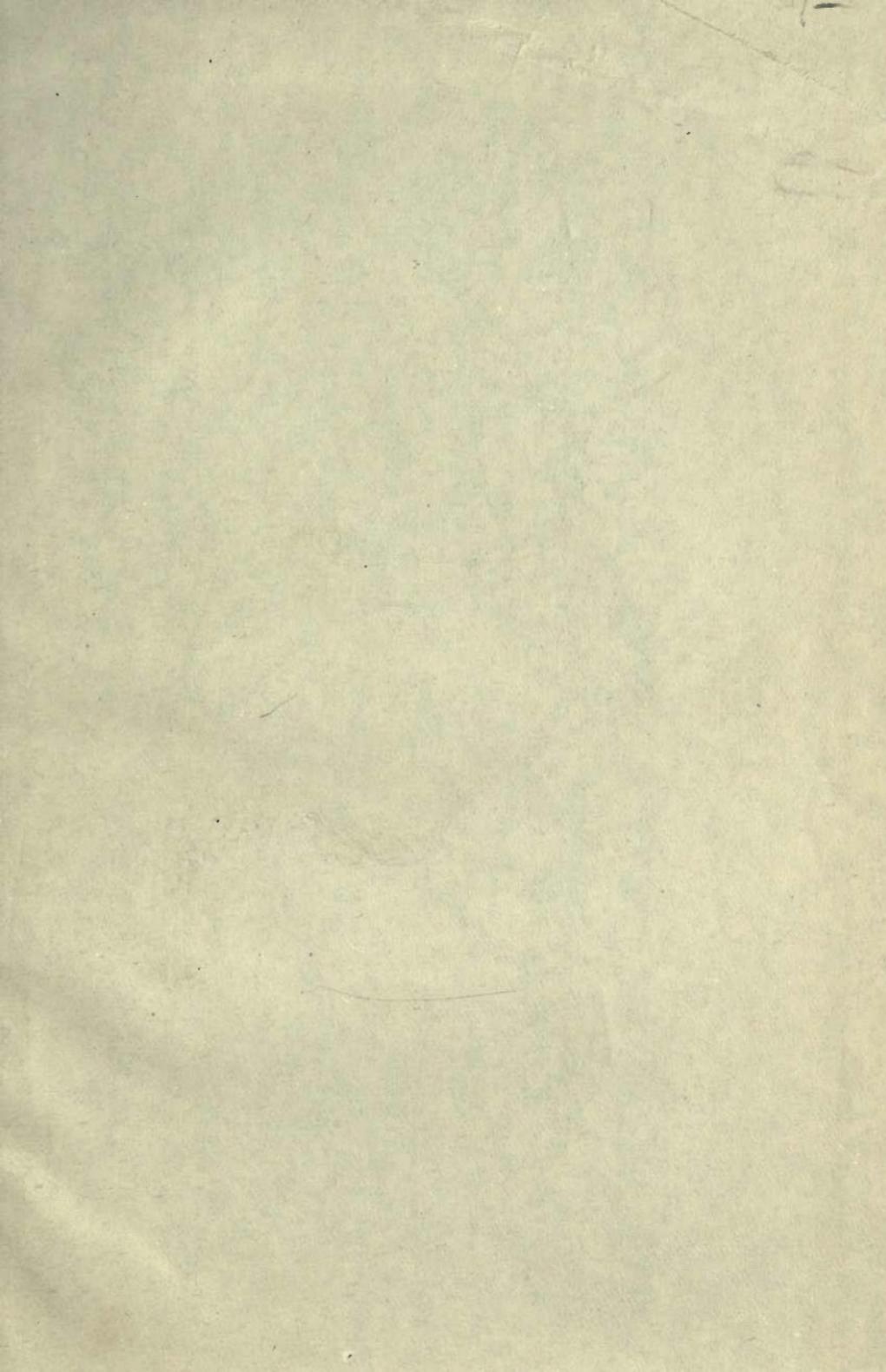
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Vernal-grass	124	Water Milfoil	45
Vervain	81	Water Parsnip	50
Vetch	30	Water Pepper	96
Vetchling	30	Water	
Violet	14	Plantain	107
Viper's Bugloss	86	Water Starwort	46
		Water Thyme	108
		Water Violet	89
		Yarrow	62
		Yellow Rattle	80
		Yellow-wort	74
		Yew	103







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